

# Cell-phone

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# Cell-phone

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## **Vishay components for Mobile Phone applications include:**

- Diodes and Rectifiers
  - Power MOSFETs
  - Infrared Transceivers
  - Power Ics (load switch, dc-to-dc conversion, and other types)
  - Analog Switches and Multiplexers
  - Resistors (non-linear, thick film, thin film, wirewound, and other types)
  - Inductors
  - Capacitors (aluminum, ceramic, film, tantalum, silicon RF, and other types)
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## **Application Overview**

Vishay manufactures a broad range of components for mobile phone (cell phone) applications, including radio frequency (RF) control, audio control, visual display, and power management. Vishay components also enable the use of SIM cards, support USB connectivity between cell phones and peripherals, enable data exchange between IrDA®-enabled or Bluetooth®-enabled mobile phones and peripherals, and support other key functions.

## Cell-phone : AUDIO, Audio Control

### Analog Switches

Product Name	Status	Description	Features	Package	Q-Level
DG2002		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 15 ohms	SMD SC70-6	
DG2011		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 2.7 ohms	SMD SC89-6	
DG2018		Dual double-pole / double-throw analog switches	Max. supply voltage= 6 V; rON = 12 ohms	SMD QFN-16 3x3	
DG2711		Single-pole/double-throw analog switches	Max. supply voltage=3.6V; rON = 0.6 ohms	SMD SC70-6	
DG2717		Single-pole/double-throw analog switches	Max. supply voltage= 5 V; rON = 0.7 ohms	SMD SC89-6	
DG2718		Dual double-pole / double-throw analog switches;	Max. supply voltage= 6 V; rON = 0.6 ohms	SMD QFN-16 3x3	
DG2731	NEW	Dual double-pole / double-throw analog switches;	Max. supply voltage=4.3V; rON = 0.3 ohms	SMD DFN-10-----MSOP-10	
DG2799		Dual double-pole / double-throw analog switches;	Max. supply voltage=3.6V; rON = 0.45 ohms	SMD QFN-16 3x3	
DG3015		Dual double-pole / double-throw analog switches;	Max. supply voltage = 6V; rON = 1.2 ohms	SMD MICRO FOOT 4x4	
DG4599		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 95 ohms	SMD SC70-6	

### EMI Filter and ESD Protection

Product Name	Status	Description	Features	Package	Q-Level
VEMI255A-HS3	NEW	2-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-6 A	
VEMI353A-HA3; VEMI355A-HA3; VEMI35AA-HA3;	NEW	3-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-7 A	
VEMI453A-HN2; VEMI455A-HN2; VEMI45AA-HN2;	NEW	4-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-9A	
VEMI65A6-FC2	NEW	6-channel EMI filter with protection in flip chip BGA;	VZT = 6.5 V, C = 90 pF	FC2	

### ESD Protection Diodes

Product Name	Status	Description	Features	Package	Q-Level
GCDA15C-1		Low-capacitance ESD protection diode; single-line; Bidirectional;	VZT = 15 V, C = 5 pF	SMD SOT-143	
GL05-HT3 to GL24-HT3		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	LLP75-3B	
GL05T to GL24T		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	SOT-23	
GSOT03 to GSOT36		Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03-HT3 to GSOT36-HT3	NEW	Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
GSOT03C to GSOT36C		ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03C-HT3 to GSOT36C-HT3	NEW	ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	

Product Name	Status	Description	Features	Package	Q-Level
VESD05A1-02V	NEW	Single-line ESD protection diode	VZT = 6.8 V, C = 130 pF	SOD-523	
VESD05C-FC1	NEW	Bidirectional ESD protection diodes in flip-chip 1005 size;	VZT = 5.0 V, C = 75 pF	0402	
VESDxx-02V	NEW	Single-line ESD protection diodes Low-voltage;	VZT = 1.0 V to 12 V; C = 30 pF to 180 pF;	SMD SOD-523	

#### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

#### Multilayer Ferrite Beads

Product Name	Status	Description	Features	Package	Q-Level
ILB-1206		Multilayer ferrite beads	19 ohms to 2000 ohms; IDCmax = 600 mA;	1206	
ILBB-0402		Multilayer ferrite beads	20 ohms to 600 ohms; IDCmax = 300 mA;	0402	
ILBB-0603		Multilayer ferrite beads	10 ohms to 2000 ohms; IDCmax = 500 mA;	0603	
ILBB-0805		Multilayer ferrite beads	7 ohms to 2200 ohms; IDCmax = 600 mA;	SMD 0805 EIA Size	
ILHB		Multilayer ferrite beads			

#### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes	VR = 40 V, IF = 1100 mA	DO-219AB	

Product Name	Status	Description	Features	Package	Q-Level
		very low forward voltage drop; high forward current capability;			

#### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

#### Tantalum Capacitors

Product Name	Status	Description	Features	Package	Q-Level
292D		Solid Tantalum Chip Capacitors; TANTAMOUNT® Lead Frameless Molded;	3 V to 20 V, 1 $\mu$ F - 47 $\mu$ F	SMD 0805 -2012	
592D	NEW	Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low Profile; Maximum CV; Extended Range; Conformal Coated;	4 V to 35 V; 1 $\mu$ F - 3300 $\mu$ F 2.5mm to 1.3mm height	SMD A - X Case EIA Size	
595D		Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low ESR; Maximum CV; Extended Range; Conformal Coated;	4 V to 50 V; 0.1 $\mu$ F - 1500 $\mu$ F;	SMD T - R Case EIA Size	

#### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : AUDIO, Earpiece

### Analog Switches

Product Name	Status	Description	Features	Package	Q-Level
DG2002		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 15 ohms	SMD SC70-6	
DG2011		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 2.7 ohms	SMD SC89-6	
DG2018		Dual double-pole / double-throw analog switches	Max. supply voltage= 6 V; rON = 12 ohms	SMD QFN-16 3x3	
DG2711		Single-pole/double-throw analog switches	Max. supply voltage=3.6V; rON = 0.6 ohms	SMD SC70-6	
DG2717		Single-pole/double-throw analog switches	Max. supply voltage= 5 V; rON = 0.7 ohms	SMD SC89-6	
DG2718		Dual double-pole / double-throw analog switches;	Max. supply voltage= 6 V; rON = 0.6 ohms	SMD QFN-16 3x3	
DG2731	NEW	Dual double-pole / double-throw analog switches;	Max. supply voltage=4.3V; rON = 0.3 ohms	SMD DFN-10-----MSOP-10	
DG2799		Dual double-pole / double-throw analog switches;	Max. supply voltage=3.6V; rON = 0.45 ohms	SMD QFN-16 3x3	
DG3015		Dual double-pole / double-throw analog switches;	Max. supply voltage = 6V; rON = 1.2 ohms	SMD MICRO FOOT 4x4	
DG4599		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 95 ohms	SMD SC70-6	

### EMI Filter and ESD Protection

Product Name	Status	Description	Features	Package	Q-Level
VEMI255A-HS3	NEW	2-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-6 A	
VEMI353A-HA3; VEMI355A-HA3; VEMI35AA-HA3;	NEW	3-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-7 A	
VEMI453A-HN2; VEMI455A-HN2; VEMI45AA-HN2;	NEW	4-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-9A	
VEMI65A6-FC2	NEW	6-channel EMI filter with protection in flip chip BGA;	VZT = 6.5 V, C = 90 pF	FC2	

### ESD Protection Diodes

Product Name	Status	Description	Features	Package	Q-Level
GCDA15C-1		Low-capacitance ESD protection diode; single-line; Bidirectional;	VZT = 15 V, C = 5 pF	SMD SOT-143	
GL05-HT3 to GL24-HT3	NEW	Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	LLP75-3B	
GL05T to GL24T		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	SOT-23	
GSOT03 to GSOT36		Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SOT-23	
GSOT03-HT3 to GSOT36-HT3	NEW	Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	LLP75-3B	
GSOT03C to GSOT36C		ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SOT-23	
GSOT03C-HT3 to GSOT36C-HT3	NEW	ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	LLP75-3B	

Product Name	Status	Description	Features	Package	Q-Level
VESD05A1-02V	NEW	Single-line ESD protection diode	VZT = 6.8 V, C = 130 pF	SOD-523	
VESD05C-FC1	NEW	Bidirectional ESD protection diodes in flip-chip 1005 size;	VZT = 5.0 V, C = 75 pF	0402	
VESDxx-02V	NEW	Single-line ESD protection diodes Low-voltage;	VZT = 1.0 V to 12 V; C = 30 pF to 180 pF;	SOD-523	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	

Product Name	Status	Description	Features	Package	Q-Level
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : AUDIO, Handsfree

### Analog Switches

Product Name	Status	Description	Features	Package	Q-Level
DG2002		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 15 ohms	SMD SC70-6	
DG2011		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 2.7 ohms	SMD SC89-6	
DG2018		Dual double-pole / double-throw analog switches	Max. supply voltage= 6 V; rON = 12 ohms	SMD QFN-16 3x3	
DG2711		Single-pole/double-throw analog switches	Max. supply voltage=3.6V; rON = 0.6 ohms	SMD SC70-6	
DG2717		Single-pole/double-throw analog switches	Max. supply voltage= 5 V; rON = 0.7 ohms	SMD SC89-6	
DG2718		Dual double-pole / double-throw analog switches;	Max. supply voltage= 6 V; rON = 0.6 ohms	SMD QFN-16 3x3	
DG2731	NEW	Dual double-pole / double-throw analog switches;	Max. supply voltage=4.3V; rON = 0.3 ohms	SMD DFN-10-----MSOP-10	
DG2799		Dual double-pole / double-throw analog switches;	Max. supply voltage=3.6V; rON = 0.45 ohms	SMD QFN-16 3x3	
DG3015		Dual double-pole / double-throw analog switches;	Max. supply voltage = 6V; rON = 1.2 ohms	SMD MICRO FOOT 4x4	
DG4599		Single-pole/double-throw analog switches	Max. supply voltage= 6 V; rON = 95 ohms;	SMD SC70-6	

### EMI Filter and ESD Protection

Product Name	Status	Description	Features	Package	Q-Level
VEMI255A-HS3	NEW	2-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-6 A	
VEMI353A-HA3; VEMI355A-HA3; VEMI35AA-HA3;	NEW	3-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-7 A	
VEMI453A-HN2; VEMI455A-HN2; VEMI45AA-HN2;	NEW	4-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-9A	
VEMI65A6-FC2	NEW	6-channel EMI filter with protection in flip chip BGA;	VZT = 6.5 V, C = 90 pF	FC2	

### ESD Protection Diodes

Product Name	Status	Description	Features	Package	Q-Level
GCDA15C-1		Low-capacitance ESD protection diode; single-line; Bidirectional;	VZT = 15 V, C = 5 pF	SMD SOT-143	
GL05-HT3 to GL24-HT3		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	LLP75-3B	
GL05T to GL24T		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	SOT-23	
GSOT03 to GSOT36		Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SOT-23	
GSOT03-HT3 to GSOT36-HT3	NEW	Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
GSOT03C to GSOT36C		ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03C-HT3 to GSOT36C-HT3	NEW	ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	

Product Name	Status	Description	Features	Package	Q-Level
VESD05A1-02V	NEW	Single-line ESD protection diode	VZT = 6.8 V, C = 130 pF	SOD-523	
VESD05C-FC1	NEW	Bidirectional ESD protection diodes in flip-chip 1005 size;	VZT = 5.0 V, C = 75 pF	0402	
VESDxx-02V	NEW	Single-line ESD protection diodes Low-voltage;	VZT = 1.0 V to 12 V; C = 30 pF to 180 pF;	SMD SOD-523	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V; IFSM = 350 mA;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	

Product Name	Status	Description	Features	Package	Q-Level
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : BASEBAND, Interface

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Multilayer Ferrite Beads

Product Name	Status	Description	Features	Package	Q-Level
ILB-1206		Multilayer ferrite beads	19 ohms to 2000 ohms; IDCmax = 600 mA;	1206	
ILBB-0402		Multilayer ferrite beads	20 ohms to 600 ohms; IDCmax = 300 mA;	0402	
ILBB-0603		Multilayer ferrite beads	10 ohms to 2000 ohms; IDCmax = 500 mA;	0603	
ILBB-0805		Multilayer ferrite beads	7 ohms to 2200 ohms; IDCmax = 600 mA;	SMD 0805 EIA Size	
ILHB		High-current ferrite beads; Sizes: 0603, 0805, 1206, 1806, 1812;	30 ohms to 1300 ohms; IDCmax= 2000mA - 6000mA	SMD 0603 to 1812	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

#### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : BATTERY, Battery Control

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Power MOSFETs

Product Name	Status	Description	Features	Package	Q-Level
Si7900AEDN		ESD-protected bidirectional N-Ch. MOSFET for battery protection circuits	VDS = 20 V, rDS(on) = 0.026 Ohm; ID = 8.5A	SMD PowerPAK 1212-8	
Si7902EDN		ESD-protected bidirectional N-Ch. MOSFET for battery protection circuits	VDS = 30 V, rDS(on) = 0.028 Ohm; ID = 8.3A	SMD PowerPAK 1212-8	
Si8900EDB		ESD-protected bidirectional N-Ch. MOSFET for battery protection circuits	VDS = 20 V, rDS(on) = 0.0125 Ohm; ID = 7.0 A	SMD MICRO FOOT CSP	
Si8901DB		Bidirectional P-Channel MOSFET; for battery protection circuits	VDS = -20 V, rDS(on) = 0.030 Ohm; ID = -4.4 A	SMD MICRO FOOT CSP	
Si8901EDB		ESD-protected bidirectional P-Ch. MOSFET for battery protection circuits	VDS = -20 V, rDS(on) = 0.030 Ohm; ID = -4.4 A	SMD MICRO FOOT CSP	
Si8902EDB		ESD-protected bidirectional N-Ch. MOSFET for battery protection circuits	VDS = 20 V, rDS(on) = 0.0225 Ohm; ID = 5.0 A	SMD MICRO FOOT CSP	
Si8904EDB		ESD-protected bidirectional N-Ch. MOSFET for battery protection circuits	VDS = 30 V, rDS(on) = 0.0225 Ohm; ID = 4.9 A	SMD MICRO FOOT CSP	
SiF902EDZ	NEW	ESD-protected bidirectional N-Ch. MOSFET for battery protection circuits	VDS = 20 V, rDS(on) = 0.0022 Ohm; ID = 10.3 A	SMD 2x5 PowerPAK	
SiF912EDZ	NEW	ESD-protected bidirectional N-Ch. MOSFET for battery protection circuits	VDS = 30 V, rDS(on) = 0.0019 Ohm; ID = 10.7 A	SMD 2x5 PowerPAK	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	

Product Name	Status	Description	Features	Package	Q-Level
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Schottky Rectifiers

Product Name	Status	Description	Features	Package	Q-Level
SS2P2L	NEW	Schottky rectifiers; SMD; high-current-density; low-VF;	VR = 20 V; VF = 0.45 V; IF = 2.0 A;	SMD SMP DO-220AA	
SS2P3L	NEW	Schottky rectifiers; SMD; high-current-density; low-VF;	VR = 30 V, VF = 0.45 V; IF = 2.0 A;	SMD SMP DO-220AA	
SSA24		Schottky rectifiers; SMD; high-current-density; low-VF;	VR = 40 V, VF = 0.45 V; IF = 2.0 A;	SMD SMA DO-214AC	
SSA33L		Schottky rectifiers; SMD; high-current-density; low-VF;	VR = 30 V, VF = 0.45 V; IF = 3.0 A;	SMD SMA DO-214AC	
SSA34		Schottky rectifiers; SMD; high-current-density; low-VF;	VR = 40 V, VF = 0.45 V; IF = 3.0 A;	SMD SMA DO-214AC	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

### TVS Diodes

Product Name	Status	Description	Features	Package	Q-Level
SMA5J5.0 thru SMA5J40CA		High power density SMD TVS; uni- and bidirectional; 5 % and 10 % available;	VWM = 5 V to 40 V; P = 500 W;	SMD SMA DO-214AC	

### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

## Multilayer Ferrite Beads

Product Name	Status	Description	Features	Package	Q-Level
ILB-1206		Multilayer ferrite beads	19 ohms to 2000 ohms; IDCmax = 600 mA;	1206	
ILBB-0402		Multilayer ferrite beads	20 ohms to 600 ohms; IDCmax = 300 mA;	0402	
ILBB-0603		Multilayer ferrite beads	10 ohms to 2000 ohms; IDCmax = 500 mA;	0603	
ILBB-0805		Multilayer ferrite beads	7 ohms to 2200 ohms; IDCmax = 600 mA;	SMD 0805 EIA Size	
ILHB		High-current ferrite beads; Sizes: 0603, 0805, 1206, 1806, 1812;	30 ohms to 1300 ohms; IDCmax= 2000mA - 6000mA	SMD 0603 to 1812	

## Cell-phone : DISPLAYS, LED Driver

### Controller and Converter

Product Name	Status	Description	Features	Package	Q-Level
Si9169		High-frequency 1-A synchronous buck/boost converter	Input voltage range: 2.7 V to 6.0 V	SMD TSOP-20	
SiP12401	NEW	Boost Controller for double AA cell or Li-Ion Battery for white LED's	Input voltage range: 1.8 V to 5 V; 600 kHz;	SMD MLP33-6 PowerPAK	
SiP12501	NEW	Boost converter f. single/double AA cell or NiMH battery for white LED's	Input voltage range: 0.65 V to 3.3 V; 600 kHz;	SMD MLP33-6 PowerPAK	
SiP1759	NEW	Buck-boost regulator	Input voltage range: 1.6 V to 5.5 V; 1500 kHz;	SMD MSOP-10	

### Inductors, Wirewound Magnetics

Product Name	Status	Description	Features	Package	Q-Level
IHLP-2525AH-01		High current, low profile inductors;	1.8-mm height	2525-AH	
IHLP-2525BD-01		High current, low profile inductors;	2.4-mm height	2525-BD	
IHLP-2525CZ-01		High current, low profile inductors;	3.0-mm height	2525-CZ	
IMC-1008		High Q/SRF Wirewound Inductors for higher frequencies; up to IDC = 1 Amp; up to 47 $\mu$ H;	Small Size 2.5x2.0x0.5mm	SMD 1008	
IMCH-1812		SMD High-current molded Inductor; up to IDC = 1 Amp; up to 330 $\mu$ H;	Small Size 4.5x3.2x3.2mm	SMD 1812	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	

Product Name	Status	Description	Features	Package	Q-Level
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

#### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

#### Tantalum Capacitors

Product Name	Status	Description	Features	Package	Q-Level
292D		Solid Tantalum Chip Capacitors; TANTAMOUNT® Lead Frameless Molded;	3 V to 20 V, 1 $\mu$ F - 47 $\mu$ F	SMD 0805 -2012	
592D	NEW	Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low Profile; Maximum CV; Extended Range; Conformal Coated;	4 V to 35 V; 1 $\mu$ F - 3300 $\mu$ F 2.5mm to 1.3mm height	SMD A - X Case EIA Size	
595D		Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low ESR; Maximum CV; Extended Range; Conformal Coated;	4 V to 50 V; 0.1 $\mu$ F - 1500 $\mu$ F;	SMD T - R Case EIA Size	

#### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : DISPLAYS, LEDs

### SMD 0603 LEDs

Product Name	Status	Description	Features	Package	Q-Level
TLMB1100	NEW	Blue Ultrabright 0603 LED	VF = 3.9 V @ IF = 20 mA	0603	
TLMG1100		Green Ultrabright 0603 LED	VF = 2.1 V @ IF = 20 mA	0603	
TLMO1000		Soft Orange 0603 LED	VF = 1.8 V @ IF = 2 mA	0603	
TLMO1100		Orange Ultrabright 0603 LED	VF = 2.1 V @ IF = 20 mA	0603	
TLMP1100		Pure Green Ultrabright 0603 LED	VF = 2.1 V @ IF = 20 mA	0603	
TLMS1000		RED 0603 LED	VF = 1.8 V @ IF = 2 mA	0603	
TLMS1100		RED Ultrabright 0603 LED	VF = 2.1 V @ IF = 20 mA	0603	
TLMS1102-GS08		RED Ultrabright 0603 LED with very wide angle (180°);	VF = 2.1 V @ IF = 20 mA	0603	
TLMY1000		Yellow 0603 LED	VF = 1.8 V @ IF = 2 mA	0603	
TLMY1100		Yellow Ultrabright 0603 LED	VF = 2.1 V @ IF = 20 mA	0603	

### White SMD LEDs

Product Name	Status	Description	Features	Package	Q-Level
TLMW3100	NEW	White High Intensity SMD LED	VF = 3.5 V @ IF = 20 mA; IV >80 mcd;	SMD PLCC-2	
TLMW3101	NEW	White High Intensity SMD LED	VF = 3.5 V @ IF = 20 mA; IV = 80 mcd to 200 mcd;	SMD PLCC-2	
TLMW3102	NEW	White High Intensity SMD LED	VF = 3.5 V @ IF = 29mA; IV = 125 mcd to 320 mcd;	SMD PLCC-2	
TLMW3145	NEW	White High Intensity SMD LED	VF = 3.5 V @ IF = 10 mA; IV = 65 mcd;	SMD PLCC-2	
TLMW3146	NEW	White High Intensity SMD LED	VF = 3.5 V @ IF = 10 mA; IV = 65 mcd;	SMD PLCC-2	
TLMW3300	NEW	White Power SMD LED	VF = 3.7V @ IF = 20 mA; IV = 500 mcd;	SMD PLCC-2	
VLMW3100	NEW	White High Intensity SMD LED	VF = 3.5 V @ IF = 10 mA; IV >56 mcd;	SMD PLCC-2	
VLMW3101	NEW	White High Intensity SMD LED	VF = 3.5 V @ IF = 10 mA; IV = 56 mcd to 140 mcd;	SMD PLCC-2	
VLMW3102	NEW	White High Intensity SMD LED	VF = 3.5 V @ IF = 10 mA; IV >112 mcd	SMD PLCC-2	
VLMW3200	NEW	White Power SMD LED	VF = 3.7V @ IF = 30 mA; IV >560 mcd	SMD PLCC-4	
VLMW3201	NEW	White Power SMD LED	VF = 3.7V @ IF = 30 mA; IV >710 mcd	SMD PLCC-4	

## Cell-phone : DISPLAYS, Light Control

### Ambient Light Control

Product Name	Status	Description	Features	Package	Q-Level
TEMT6000	NEW	Ambient Light Sensor, SMD; for Display Backlight Dimming;	Adapted to human eye responsivity	SMD 2 mm x 4 mm	

### Controller and Converter

Product Name	Status	Description	Features	Package	Q-Level
Si9169		High-frequency 1-A synchronous buck/boost converter	Input voltage range: 2.7 V to 6.0 V	SMD TSOP-20	
SiP12401	NEW	Boost controller for double AA cell or Li-Ion Battery for white LED's	Input voltage range: 1.8 V to 5 V; 600 kHz;	SMD MLP33-6 PowerPAK	
SiP12501	NEW	Boost converter f. single/double AA cell or NiMH battery for white LED's	Input voltage range: 0.65 V to 3.3 V; 600 kHz;	SMD MLP33-6 PowerPAK	
SiP1759	NEW	Buck-boost regulator	Input voltage range: 1.6 V to 5.5 V; 1500 kHz;	SMD MSOP-10	

### Inductors, Wirewound Magnetics

Product Name	Status	Description	Features	Package	Q-Level
IHLP-2525AH-01		High current, low profile inductors;	1.8-mm height	2525-AH	
IHLP-2525BD-01		High current, low profile inductors;	2.4-mm height	2525-BD	
IHLP-2525CZ-01		High current, low profile inductors;	3.0-mm height	2525-CZ	
IMC-1008		High Q/SRF Wirewound Inductors for higher frequencies; up to IDC = 1 Amp; up to 47 $\mu$ H;	Small Size 2.5x2.0x0.5mm	SMD 1008	
IMCH-1812		SMD High-current molded Inductor; up to IDC = 1 Amp; up to 330 $\mu$ H;	Small Size 4.5x3.2x3.2mm	SMD 1812	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Power MOSFETs

Product Name	Status	Description	Features	Package	Q-Level
Si1431DH		P-Channel 30-V (D-S) MOSFET to switch white LED's;	rDS(on) = 0.2 ohms; ID = 2.0 A;	SMD SC70-6	
Si1473DH		P-Channel 30-V (D-S) MOSFET to switch white LED's;	rDS(on) = 0.10 ohms; ID = 2.7 A;	SMD SC70-6 SOT-363	
Si3457CDV	NEW	P-Channel 30-V (D-S) MOSFET	rDS(on) = 0.074 ohms, ID = 5.1A; VGS= 10V	SMD TSOP-6	
Si3483CDV	NEW	P-Channel 30-V (D-S) MOSFET	rDS(on) = 0.034 ohms, ID(A) = -8a A	SMD TSOP-6	
Si5435BDC		P-Channel 30-V (D-S) MOSFET;	P-Channel 30-V (D-S) rDS(on) = 0.045 Ohm; ID = -5.9 A	SMD Chip-FET 1206-8	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	

Product Name	Status	Description	Features	Package	Q-Level
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

### Tantalum Capacitors

Product Name	Status	Description	Features	Package	Q-Level
292D		Solid Tantalum Chip Capacitors; TANTAMOUNT® Lead Frameless Molded;	3 V to 20 V, 1 $\mu$ F - 47 $\mu$ F	SMD 0805 -2012	
592D	NEW	Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low Profile; Maximum CV; Extended Range; Conformal Coated;	4 V to 35 V; 1 $\mu$ F - 3300 $\mu$ F 2.5mm to 1.3mm height	SMD A - X Case EIA Size	
595D		Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low ESR; Maximum CV; Extended Range; Conformal Coated;	4 V to 50 V; 0.1 $\mu$ F - 1500 $\mu$ F;	SMD T - R Case EIA Size	

### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	

Product Name	Status	Description	Features	Package	Q-Level
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : PERIPHERALS, Bluetooth

### Attenuators

Product Name	Status	Description	Features	Package	Q-Level
CZA04S & CZA06S		Surface Mount Chip Resistor Attenuator	R = 50 ohms to 500 ohms; P = 40 mW to 75 mW;	SMD 0402; 0603	

### Band-Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
BA892V-02V		Single Band Switching Diodes for band switching up to 3 GHz	VF = 1.1 V, IR = 20 nA, CD = 1 pF;	SMD SOD-523	

### Inductors

Product Name	Status	Description	Features	Package	Q-Level
IFCB-0402		Thin film ceramic chip inductor	L = 1 nH to 22 nH; I = 90 mA to 700 mA;	0402	
ILC-0402		High-frequency ceramic chip inductor; Multilayer;	L = 1 nH to 100 nH; I = 100 mA to 300 mA;	SMD 0402	
IMC-0402		High Q/SRF laser spiral coated inductor	L = 1 nH to 100 nH; I = 90 mA to 400 mA; Q = 14 to 21;	0402	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Multilayer Ferrite Beads

Product Name	Status	Description	Features	Package	Q-Level
ILB-1206		Multilayer ferrite beads	19 ohms to 2000 ohms; IDCmax = 600 mA;	1206	
ILBB-0402		Multilayer ferrite beads	20 ohms to 600 ohms; IDCmax = 300 mA;	0402	
ILBB-0603		Multilayer ferrite beads	10 ohms to 2000 ohms; IDCmax = 500 mA;	0603	
ILBB-0805		Multilayer ferrite beads	7 ohms to 2200 ohms; IDCmax = 600 mA;	SMD 0805 EIA Size	
ILHB		High-current ferrite beads; Sizes: 0603, 0805, 1206, 1806, 1812;	30 ohms to 1300 ohms; IDCmax= 2000mA - 6000mA	SMD 0603 to 1812	

### RF Capacitors

Product Name	Status	Description	Features	Package	Q-Level
HPC0201A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 25 V; C = 0.4 pF to 39 pF;	0201	
HPC0402A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 50 V; C = 0.1 pF to 180 pF;	0402	
HPC0402B/C	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 25 V; C = 0.1 pF to 180 pF; very low profile;	0603	
HPC0603A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 50 V; C = 0.8 pF to 560 pF;	0603	

Product Name	Status	Description	Features	Package	Q-Level
VJ COG (NP0) Dielectric MLCC		Monolithic ceramic chip capacitor with stable COG/NP0 dielectric;	VR = 25 V to 100 V; C = 1 pF to 100 pF;	SMD 0402	

#### RF Pin Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAR63V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.2 V, IR = 10 nA, CD = 0.28 pF;	SMD SOD-523	
BAR64V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.1 V, IR = 50 nA, CD = 0.5 pF;	SMD SOD-523	
BAR65V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.1 V, IR = 20 nA, CD = 0.65 pF;	SMD SOD-523	

## Cell-phone : PERIPHERALS, Connectors

### EMI Filter and ESD Protection

Product Name	Status	Description	Features	Package	Q-Level
VEMI255A-HS3	NEW	2-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-6 A	
VEMI353A-HA3; VEMI355A-HA3; VEMI35AA-HA3;	NEW	3-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-7 A	
VEMI453A-HN2; VEMI455A-HN2; VEMI45AA-HN2;	NEW	4-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-9A	
VEMI65A6-FC2	NEW	6-channel EMI filter with protection in flip chip BGA;	VZT = 6.5 V, C = 90 pF	FC2-----CSP	

### ESD Protection Diodes

Product Name	Status	Description	Features	Package	Q-Level
GCDA15C-1		Low-capacitance ESD protection diode; single-line; Bidirectional;	VZT = 15 V, C = 5 pF	SMD SOT-143	
GL05-HT3 to GL24-HT3	NEW	Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	LLP75-3B	
GL05T to GL24T		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	SOT-23	
GMF05C		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 150 pF	SOT-363	
GMF05C - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 150 pF	LLP75-6 A	
GMF05LC		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 50 pF	SOT-363	
GMF05LC - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 50 pF	LLP75-6 A	
GMF05MC		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 75 pF	SOT-363	
GMF05MC - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 75 pF	LLP75-6 A	
GSOT03 to GSOT36		Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03-HT3 to GSOT36-HT3	NEW	Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
GSOT03C to GSOT36C		ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03C-HT3 to GSOT36C-HT3	NEW	ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
VESD05A1-02V	NEW	Single-line ESD protection diode	VZT = 6.8 V, C = 130 pF	SOD-523	
VESD05A6-HA3	NEW	6-line ESD protection diode array	VZT = 6.6 V, C = 40 pF	LLP75-7 A	
VESD05A8-HN2	NEW	8-line ESD protection diode array		LLP70-9A	
VESD05C-FC1	NEW	Bidirectional ESD protection diodes in flip-chip 1005 size;	VZT = 5.0 V, C = 75 pF	0402	
VESDxx-02V	NEW	Single-line ESD protection diodes	VZT = 1.0 V to 12 V;	SMD	

Product Name	Status	Description	Features	Package	Q-Level
		Low-voltage;	C = 30 pF to 180 pF;	SOD-523	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Multilayer Ferrite Beads

Product Name	Status	Description	Features	Package	Q-Level
ILB-1206		Multilayer ferrite beads	19 ohms to 2000 ohms; IDCmax = 600 mA;	1206	
ILBB-0402		Multilayer ferrite beads	20 ohms to 600 ohms; IDCmax = 300 mA;	0402	
ILBB-0603		Multilayer ferrite beads	10 ohms to 2000 ohms; IDCmax = 500 mA;	0603	
ILBB-0805		Multilayer ferrite beads	7 ohms to 2200 ohms; IDCmax = 600 mA;	SMD 0805 EIA Size	
ILHB		High-current ferrite beads; Sizes: 0603, 0805, 1206, 1806, 1812;	30 ohms to 1300 ohms; IDCmax= 2000mA - 6000mA	SMD 0603 to 1812	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

## Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

## Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : PERIPHERALS, IrDA

### Infrared Transceiver

Product Name	Status	Description	Features	Package	Q-Level
TFBS4650		Standard IrDA with Low Power Consumption; Small Footprint;	115 kbit/s SIR	SMD 6.8x2.8x1.6mm	
TFBS4652		and Ultra Low Profile	115 kbit/s SIR	SMD 6.8x2.8x1.6mm	
TFBS4711	NEW	Standard IrDA with Smallest Footprint; Low Profile;	115 kbit/s SIR	SMD 6.0x3.0x1.9mm	
TFBS5711	NEW	IrDA with Smallest Footprint; Low Profile;	1 Mbit/s MIR	SMD 6.0x3.0x1.9mm	
TFBS6614		Fast IrDA with Low Profile	4 Mbit/s FIR	SMD 8.0x3.0x2.7mm	
TFBS6711	NEW	Fast IrDA with Smallest Footprint; Low Profile;	4 Mbit/s FIR	SMD 6.0x3.0x1.9mm	
TFBS6712	NEW	Fast IrDA with Smallest Footprint; Low Profile;	4 Mbit/s FIR	SMD 6.0x3.0x1.9mm	
TFDU4100		Standard IrDA with long Link Distance of > 1Meter;	115 kbit/s SIR	SMD 9.7x4.7x4.0mm	
TFDU4300		Standard IrDA with Low Power Consumption	115 kbit/s SIR	SMD 8.3x3.0x2.5mm	
TFDU5307		IrDA with long Link Distance, works as Remote Control;	1 Mbit/s MIR	SMD 8.3x3.0x2.5mm	
TFDU6102		Fast IrDA with long Link Distance of > 1Meter;	4 Mbit/s FIR	SMD 9.7x4.7x4.0mm	
TFDU8108	NEW	Very Fast IrDA in Standard package	16 Mbit/s	SMD 9.7x4.7x4.0mm	

## Cell-phone : PERIPHERALS, Keypad

### EMI Filter and ESD Protection

Product Name	Status	Description	Features	Package	Q-Level
VEMI255A-HS3	NEW	2-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-6 A	
VEMI353A-HA3; VEMI355A-HA3; VEMI35AA-HA3;	NEW	3-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-7 A	
VEMI453A-HN2; VEMI455A-HN2; VEMI45AA-HN2;	NEW	4-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-9A	
VEMI65A6-FC2	NEW	6-channel EMI filter with protection in flip chip BGA;	VZT = 6.5 V, C = 90 pF	FC2-----CSP	

### ESD Protection Diodes

Product Name	Status	Description	Features	Package	Q-Level
GCDA15C-1		Low-capacitance ESD protection diode; single-line; Bidirectional;	VZT = 15 V, C = 5 pF	SMD SOT-143	
GL05-HT3 to GL24-HT3		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	LLP75-3B	
GL05T to GL24T		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	SOT-23	
GMF05C		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 150 pF	SOT-363	
GMF05C - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 150 pF	LLP75-6 A	
GMF05LC		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 50 pF	SOT-363	
GMF05LC - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 50 pF	LLP75-6 A	
GMF05MC		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 75 pF	SOT-363	
GMF05MC - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 75 pF	LLP75-6 A	
GSOT03 to GSOT36		Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03-HT3 to GSOT36-HT3	NEW	Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
GSOT03C to GSOT36C		ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03C-HT3 to GSOT36C-HT3	NEW	ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
VESD05A1-02V	NEW	Single-line ESD protection diode	VZT = 6.8 V, C = 130 pF	SOD-523	
VESD05A6-HA3	NEW	6-Lines ESD protection diode array	VZT = 6.6 V, C = 40 pF	LLP75-7 A	
VESD05A8-HN2	NEW	8-Lines ESD protection diode array		LLP70-9A	
VESD05C-FC1	NEW	Bidirectional ESD protection diodes in flip-chip 1005 size;	VZT = 5.0 V, C = 75 pF	0402	
VESDxx-02V	NEW	Single-line ESD protection diodes	VZT = 1.0 V to 12 V;	SMD	

Product Name	Status	Description	Features	Package	Q-Level
		Low-voltage;	C = 30 pF to 180 pF;	SOD-523	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Multilayer Ferrite Beads

Product Name	Status	Description	Features	Package	Q-Level
ILB-1206		Multilayer ferrite beads	19 ohms to 2000 ohms; IDCmax = 600 mA;	1206	
ILBB-0402		Multilayer ferrite beads	20 ohms to 600 ohms; IDCmax = 300 mA;	0402	
ILBB-0603		Multilayer ferrite beads	10 ohms to 2000 ohms; IDCmax = 500 mA;	0603	
ILBB-0805		Multilayer ferrite beads	7 ohms to 2200 ohms; IDCmax = 600 mA;	SMD 0805 EIA Size	
ILHB		High-current ferrite beads; Sizes: 0603, 0805, 1206, 1806, 1812;	30 ohms to 1300 ohms; IDCmax= 2000mA - 6000mA	SMD 0603 to 1812	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

## Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

## Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : PERIPHERALS, SIM Card

### EMI Filter and ESD Protection

Product Name	Status	Description	Features	Package	Q-Level
VEMI255A-HS3	NEW	2-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-6 A	
VEMI353A-HA3; VEMI355A-HA3; VEMI35AA-HA3;	NEW	3-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-7 A	
VEMI453A-HN2; VEMI455A-HN2; VEMI45AA-HN2;	NEW	4-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-9A	
VEMI65A6-FC2	NEW	6-channel EMI filter with protection in flip chip BGA;	VZT = 6.5 V, C = 90 pF	FC2-----CSP	

### ESD Protection Diodes

Product Name	Status	Description	Features	Package	Q-Level
GCDA15C-1		Low-capacitance ESD protection diode; single-line; Bidirectional;	VZT = 15 V, C = 5 pF	SMD SOT-143	
GL05-HT3 to GL24-HT3		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	LLP75-3B	
GL05T to GL24T		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	SOT-23	
GMF05C		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 150 pF	SOT-363	
GMF05C - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 150 pF	LLP75-6 A	
GMF05LC		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 50 pF	SOT-363	
GMF05LC - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 50 pF	LLP75-6 A	
GMF05MC		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 75 pF	SOT-363	
GMF05MC - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 75 pF	LLP75-6 A	
GSOT03 to GSOT36		Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03-HT3 to GSOT36-HT3	NEW	Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
GSOT03C to GSOT36C		ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03C-HT3 to GSOT36C-HT3	NEW	ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
VESD05A1-02V	NEW	Single-line ESD protection diode	VZT = 6.8 V, C = 130 pF	SOD-523	
VESD05A6-HA3	NEW	6-Lines ESD protection diode array	VZT = 6.6 V, C = 40 pF	LLP75-7 A	
VESD05A8-HN2	NEW	8-Lines ESD protection diode array	VZT = 6.6 V, C = 40 pF	LLP70-9A	
VESD05C-FC1	NEW	Bidirectional ESD protection diodes in flip-chip 1005 size;	VZT = 5.0 V, C = 75 pF	0402	
VESDxx-02V	NEW	Single-line ESD protection diodes	VZT = 1.0 V to 12 V;	SMD	

Product Name	Status	Description	Features	Package	Q-Level
		Low-voltage;	C = 30 pF to 180 pF;	SOD-523	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes; very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

Product Name	Status	Description	Features	Package	Q-Level
		Available with 5 % and 2 % Vz tolerance;			

## Cell-phone : PERIPHERALS, USB

### Analog Switches

Product Name	Status	Description	Features	Package	Q-Level
DG2536		Dual double-pole / double-throw analog switches; Low r(on);	Max. supply voltage= 6 V; rON = 0.4 ohms	SMD DFN-10 MSOP-10	
DG3516		Dual double-pole / double-throw analog switches;	Max. supply voltage=5.5V; rON = 2.9 ohms	SMD MICRO FOOT CSP	
DG3535		Dual double-pole / double-throw analog switches;	Max. supply voltage= 6 V; rON = 0.4 ohms	SMD MICRO FOOT CSP	

### EMI Filter and ESD Protection

Product Name	Status	Description	Features	Package	Q-Level
VEMI255A-HS3	NEW	2-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-6 A	
VEMI353A-HA3; VEMI355A-HA3; VEMI35AA-HA3;	NEW	3-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-7 A	
VEMI453A-HN2; VEMI455A-HN2; VEMI45AA-HN2;	NEW	4-channel EMI filter with protection	VZT = 6 V, C = 60 pF	LLP75-9A	
VEMI65A6-FC2	NEW	6-channel EMI filter with protection in flip chip BGA;	VZT = 6.5 V, C = 90 pF	FC2-----CSP	

### ESD Protection Diodes

Product Name	Status	Description	Features	Package	Q-Level
GCDA15C-1		Low-capacitance ESD protection diode; single-line; Bidirectional;	VZT = 15 V, C = 5 pF	SMD SOT-143	
GL05-HT3 to GL24-HT3	NEW	Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	LLP75-3B	
GL05T to GL24T		Low-capacitance ESD protection diodes; single-line; for High-Speed Data Interfaces;	VZT = 5 V to 24 V; C = 5 pF;	SOT-23	
GMF05C		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 150 pF	SOT-363	
GMF05C - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 150 pF	LLP75-6 A	
GMF05LC		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 50 pF	SOT-363	
GMF05LC - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 50 pF	LLP75-6 A	
GMF05MC		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 75 pF	SOT-363	
GMF05MC - HS3		ESD protection diode array; 6-Lines Uni-Directional or 5-Lines Bi-Directional	VZT = 5 V, C = 75 pF	LLP75-6 A	
GSOT03 to GSOT36		Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03-HT3 to GSOT36-HT3	NEW	Single-line ESD protection diode	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	

Product Name	Status	Description	Features	Package	Q-Level
GSOT03C to GSOT36C		ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD SOT-23	
GSOT03C-HT3 to GSOT36C-HT3	NEW	ESD protection diode array; 2-line or Bi-directional;	VZT = 3.3 V to 36 V; C = 80 pF to 800 pF;	SMD LLP75-3B	
VESD05A1-02V	NEW	Single-line ESD protection diode	VZT = 6.8 V, C = 130 pF	SOD-523	
VESD05A6-HA3	NEW	6-Lines ESD protection diode array	VZT = 6.6 V, C = 40 pF	LLP75-7 A	
VESD05A8-HN2	NEW	8-Lines ESD protection diode array	VZT = 6.6 V, C = 40 pF	LLP70-9A	
VESD05C-FC1	NEW	Bidirectional ESD protection diodes in flip-chip 1005 size;	VZT = 5.0 V, C = 75 pF	0402	
VESDxx-02V	NEW	Single-line ESD protection diodes Low-voltage;	VZT = 1.0 V to 12 V; C = 30 pF to 180 pF;	SMD SOD-523	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Multilayer Ferrite Beads

Product Name	Status	Description	Features	Package	Q-Level
ILB-1206		Multilayer ferrite beads	19 ohms to 2000 ohms; IDCmax = 600 mA;	1206	
ILBB-0402		Multilayer ferrite beads	20 ohms to 600 ohms; IDCmax = 300 mA;	0402	
ILBB-0603		Multilayer ferrite beads	10 ohms to 2000 ohms; IDCmax = 500 mA;	0603	
ILBB-0805		Multilayer ferrite beads	7 ohms to 2200 ohms; IDCmax = 600 mA;	SMD 0805 EIA Size	
ILHB		High-current ferrite beads; Sizes: 0603, 0805, 1206, 1806, 1812;	30 ohms to 1300 ohms; IDCmax= 2000mA - 6000mA	SMD 0603 to 1812	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD;	VR = 40 V, IF = 500 mA	LLP-3A	

Product Name	Status	Description	Features	Package	Q-Level
		with very low forward voltage drop; Space-saving LLP75-3A SMD packag;			
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

#### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

#### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

# Cell-phone : PERIPHERALS, Vibra

## Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

## Power MOSFETs

Product Name	Status	Description	Features	Package	Q-Level
Si1489DH	NEW	Low Threshold Voltage P-channel MOSFET; with RDSon Rating at 1.5 V;	VDS = -8 V; rDS(on) = 97m $\Omega$ @-1.5V ID = -1.5A;	SMD SC70-6	
Si3495DV		Low Threshold Voltage P-channel MOSFET; with RDSon Rating at 1.5 V;	VDS = -20 V; ID = -7 A; rDS(on) = 48 milliohms	SMD TSOP-6	
Si3499DV		Low Threshold Voltage P-channel MOSFET; with RDSon Rating at 1.5 V;	VDS = -8 V; ID = -7 A; rDS(on) = 48 milliohms	SMD TSOP-6	
Si5499DC		Low Threshold Voltage P-channel MOSFET; with RDSon Rating at 1.5 V;	VDS = -8 V, rDS(on) = 0.077 Ohm; ID = -6.0 A	SMD Chip-FET 1206-8	
Si8429DB		P-Channel 1.2-V (G-S) MOSFET;	VDS = -8 V, rDS(on) = 0.035 Ohm; ID = -11.7 A	SMD MICRO FOOT	

## Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

## Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

## Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : POWER MANAGEMENT, Charge Control

### Battery Charger Controller

Product Name	Status	Description	Features	Package	Q-Level
Si3851DV		Single P-Channel MOSFET with integrated Schottky;	VDS = -30 V, ID = -1.8 A rDS(on) = 360 milliohms	SMD TSOP-6	
Si3853DV		Single P-Channel MOSFET with integrated Schottky;	VDS = -20 V, ID = -1.8 A rDS(on) = 200 milliohms	SMD TSOP-6	
Si3871DV		Single P-Channel MOSFET; with integrated low-VF Schottky;	VDS = -20 V, ID = -2.7 A rDS(on) = 175 milliohms	SMD TSOP-6	
Si3911DV		Dual P-Channel MOSFET	VDS = -20 V, ID = -2.2 A rDS(on) = 200 milliohms	SMD TSOP-5	
Si5441BDC	NEW	Single P-Channel MOSFET;	VDS = -20 V rDS(on) = 0.045 Ohm; ID = -6.1 A	SMD Chip-FET 1206-8	
Si5853DC		Single P-Ch MOSFET; with integrated Schottky;	VDS = -20 V, rDS(on) = 0.160 Ohm; ID = -3.6 A	SMD Chip-FET 1206-8	
Si5855DC		Single P-Ch MOSFET; with integrated low-VF Schottky;	VDS = -20 V, rDS(on) = 0.160 Ohm; ID = -3.6 A	SMD Chip-FET 1206-8	
Si8401DB		Single P-Channel MOSFET;	VDS = -20 V, rDS(on) = 0.065 Ohm; ID = -4.9A	SMD MICRO FOOT CSP	
Si9731DQ-T1-E3		Microprocessor-contr. Battery charger for 1x Li+ or 1-3x NiCD or NiMH	VIN = 3 V to 12 V	TSSOP-16	

### Fuses

Product Name	Status	Description	Features	Package	Q-Level
MFU	NEW	Thin film flat chip fuses	32 V to 63 V; Fuse Current=0.5A to 5A;	SMD 0402 - 1206	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD;	VR = 30 V, IF = 500 mA	LLP-3A	

Product Name	Status	Description	Features	Package	Q-Level
		with very low forward voltage drop; Space-saving LLP75-3A SMD package;			
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD package;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Shunt Resistors

Product Name	Status	Description	Features	Package	Q-Level
WSL		Power Metal Strip, for current sensing; low resistance values; tight tolerances; low TCR;	0.001 to 0.500 Ohms; Tol.= 0.5 % to 1 %	SMD 0603 - 2816	
WSL		Power Metal Strip, for current sensing; low resistance values; tight tolerances; low TCR;	0.001 $\Omega$ - 0.500 $\Omega$ Tol.= 0.5 % to 1 %	SMD 0603 - 2816	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

### Tantalum Capacitors

Product Name	Status	Description	Features	Package	Q-Level
292D		Solid Tantalum Chip Capacitors; TANTAMOUNT® Lead Frameless Molded;	3 V to 20 V, 1 $\mu$ F - 47 $\mu$ F	SMD 0805 -2012	
298D	NEW	Solid Tantalum Chip Capacitors; MICROTAN# Lead Frameless Molded;	4 V to 16 V, 1 $\mu$ F - 47 $\mu$ F	SMD 0402 -0603	
592D	NEW	Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low Profile; Maximum CV; Extended Range; Conformal Coated;	4 V to 35 V; 1 $\mu$ F - 3300 $\mu$ F 2.5mm to 1.3mm height	SMD A - X Case EIA Size	
595D		Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low ESR; Maximum CV; Extended Range; Conformal Coated;	4 V to 50 V; 0.1 $\mu$ F - 1500 $\mu$ F;	SMD T - R Case EIA Size	

### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes	Vzmin = 2.02 V;	SMD	

Product Name	Status	Description	Features	Package	Q-Level
		Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmax = 79 V;	SOD-323	

## Cell-phone : POWER MANAGEMENT, DC/DC Conversion

### Controller and Converter

Product Name	Status	Description	Features	Package	Q-Level
Si9160BQ-T1-E3		Controller for RF power amplifier boost	Input voltage range: 2.7 V to 4.5 V	SMD TSSOP-16	
Si9161BQ-T1-E3		Optimized-efficiency Controller for RF power amplifier boost	Input voltage range: 2.7 V to 4.5 V	SMD TSSOP-16	
Si9165BQ-T1-E3		High-frequency 600-mA synchronous buck/boost converter	Input voltage range: 2.7 V to 6.0 V, 2 MHz	SMD TSSOP-20	
Si9166BQ-T1-E3		High-frequency Controller; Programmable Topology Controller	Input voltage range: 2.7 V to 6.0 V, 2 MHz	SMD TSSOP-16	
Si9167BQ-T1-E3		High-frequency 600 mA synchronous buck converter for 2-Cell Li+ Cellular Phones	Input voltage range: 5 V to 10 V, 2 MHz	SMD TSOP-20	
Si9168BQ-T1-E3		High-frequency 1-A synchronous buck/boost converter	Input voltage range: 2.7 V to 6.0 V	SMD TSOP-20	
Si9169BQ-T1-E3		High-frequency 1-A synchronous buck/boost converter	Input voltage range: 2.7 V to 6.0 V	SMD TSOP-20	
SiP12401	NEW	Boost controller for double AA cell or Li-Ion Battery for white LED's	Input voltage range: 1.8 V to 5 V; 600 kHz;	SMD MLP33-6 PowerPAK	
SiP12501	NEW	Boost converter f. single/double AA cell or NiMH battery for white LED's	Input voltage range: 0.65 V to 3.3 V; 600 kHz;	SMD MLP33-6 PowerPAK	
SiP1759	NEW	Buck-boost regulator	Input voltage range: 1.6 V to 5.5 V; 1500 kHz;	SMD MSOP-10	

### Inductors, Wirewound Magnetics

Product Name	Status	Description	Features	Package	Q-Level
IHLP-2525AH-01		High current, low profile inductors;	1.8-mm height; 0.1 to 10 $\mu$ H;	2525-AH	
IHLP-2525BD-01		High current, low profile inductors;	2.4-mm height	2525-BD	
IHLP-2525CZ-01		High current, low profile inductors;	3.0-mm height	2525-CZ	
IMC-1008		High Q/SRF Wirewound Inductors for higher frequencies; up to IDC =1 Amp; up to 47 $\mu$ H;	Small Size 2.5x2.0x0.5mm	SMD 1008	
IMCH-1812		SMD High-current molded Inductor; up to IDC = 1 Amp; up to 330 $\mu$ H;	Small Size 4.5x3.2x3.2mm	SMD 1812	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 $\mu$ F	SMD 0402-3640 EIA-Sizes	

### Power MOSFETs

Product Name	Status	Description	Features	Package	Q-Level
Si3586DV		N & P- Channel Pair	VDS = 20 V	TSOP-6	
Si3812DV		Single N-Channel MOSFET with integrated Schottky;	VDS = 20 V; ID = 2.4 A rDS(on) = 125 milliohms	SMD TSOP-6	
Si3851DV		Single P-Channel MOSFET with integrated Schottky;	VDS = -30 V; ID = -1.8 A rDS(on) = 360 milliohms	SMD TSOP-6	
Si3853DV		Single P-Channel MOSFET with integrated Schottky;	VDS = -20 V, ID = -1.8 A rDS(on) = 200 milliohms	SMD TSOP-6	
Si3871DV		Single P-Channel MOSFET; with integrated low-VF Schottky;	VDS = -20 V, ID = -2.7 A rDS(on) = 175 milliohms	SMD TSOP-5	

Product Name	Status	Description	Features	Package	Q-Level
Si3911DV		Dual P-Channel MOSFET	VDS = -20 V, ID = -2.2 A rDS(on) = 200 milliohms	SMD TSOP-6	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Shunt Resistors

Product Name	Status	Description	Features	Package	Q-Level
WSL		Power Metal Strip, for current sensing; low resistance values; tight tolerances; low TCR;	1 mΩ - 500 mΩ; Tol.= 0.5 % to 1 %	SMD 0603 - 2816	
WSL		Power Metal Strip, for current sensing; low resistance values; tight tolerances; low TCR;	0.001 Ohm - 0.500 Ohms; Tol.= 0.5 % to 1 %	SMD 0603 - 2816	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

## Tantalum Capacitors

Product Name	Status	Description	Features	Package	Q-Level
292D		Solid Tantalum Chip Capacitors; TANTAMOUNT® Lead Frameless Molded;	3 V to 20 V, 1 $\mu$ F - 47 $\mu$ F	SMD 0805 -2012	
298D	NEW	Solid Tantalum Chip Capacitors; MICROTAN# Lead Frameless Molded;	4 V to 16 V, 1 $\mu$ F - 47 $\mu$ F	SMD 0603 - 0805	
592D	NEW	Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low Profile; Maximum CV; Extended Range; Conformal Coated;	4 V to 35 V, 1 $\mu$ F-3,300 $\mu$ F 2.5mm to 1.3mm height;	SMD A - X Case EIA Size	
595D		Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low ESR; Maximum CV; Extended Range; Conformal Coated;	4 V to 50 V; 0.1 $\mu$ F - 1500 $\mu$ F;	SMD T - R Case EIA Size	

## Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : POWER MANAGEMENT, LDOs

### Linear Regulators

Product Name	Status	Description	Features	Package	Q-Level
Si9181		Micropower CMOS LDO regulator with error flag/power-on reset	VIN = 2 V to 6 V; VOUT = 1.5 V to 5 V, IOUT = 350 mA	SMD TSSOP-8	
Si9182		Micropower CMOS LDO regulator with error flag/power-on reset	VIN = 2 V to 6 V; VOUT = 1.5 V to 5 V, IOUT = 250 mA	SMD MSOP-8	
Si91821		Micropower low-noise CMOS LDO regulator with error flag/power-on reset	VIN = 2.35 V to 6 V; VOUT = 1.5 V to 5 V, IOUT = 300 mA	SMD MSOP-8	
Si91822		Micropower CMOS LDO regulator with error flag/power-on reset	VIN = 2 V to 6 V; VOUT = 1.5 V to 5 V, IOUT = 250 mA	SMD MSOP-8	
Si9183		Size Saving CMOS LDO regulator High-Performance,	VIN = 2 V to 6 V; VOUT = 1.5 V to 5 V, IOUT = 150 mA	SMD Thin SOT-23-5	
Si91841		Low-noise CMOS LDO regulator	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 150 mA	SMD Thin SOT-23-5	
Si91842		CMOS LDO regulator with error flag and auto-discharge option	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 150 mA	SMD Thin SOT-23-5	
Si9185		Micropower CMOS LDO regulator with error flag/power-on reset	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 500 mA	SMD MLP33-8 PowerPAK	
Si91871		Low-noise CMOS LDO regulator	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 300 mA	SMD MLP33-8 PowerPAK	
Si91872		CMOS LDO regulator with error flag and auto-discharge	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 300 mA	SMD MLP33-8 PowerPAK	
SiP21101	NEW	Ultra low-noise LDO regulator with discharge	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 150 mA;	SMD SC70-5	
SiP21102	NEW	Low-noise LDO regulator with error flag and discharge	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 150 mA;	SMD SC70-5	
SiP21103	NEW	Ultra low-noise LDO regulator with discharge	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 250 mA;	SMD MLP33-10PowerPAK MLP44-16PowerPAK	
SiP21104	NEW	Low-noise LDO regulator with error flag and discharge	VIN = 2 V to 6 V; VOUT = 1.2 V to 5 V; IOUT = 250 mA;	SMD MLP33-10PowerPAK MLP44-16PowerPAK	
SiP2210	NEW	Low-noise dual-output 150 and 300 mA LDO with Open Drain Driver Output	VIN = 2.25 V to 5 V; VOUT = 1.5 V to 3.6 V;	SMD MLP33-10PowerPAK MLP44-16PowerPAK	
SiP2211	NEW	Low-noise Independent dual-output 150 and 300 mA LDO regulator	VIN = 2.25 V to 5 V; VOUT = 1.5 V to 3.6 V;	SMD MLP33-10PowerPAK MLP44-16PowerPAK	
SiP2213	NEW	Low-noise Sequenced dual-output 150 and 300 mA LDO regulator	VIN = 2.25 V to 5 V; VOUT = 1.5 V to 3.6 V;	SMD MLP33-10PowerPAK MLP44-16PowerPAK	
SiP2214	NEW	Low-noise dual-output 150 and 300 mA LDO regulator	VIN = 2.25 V to 5 V; VOUT = 1.5 V to 3.6 V;	SMD MLP33-10PowerPAK MLP44-16PowerPAK	

## Cell-phone : POWER MANAGEMENT, Load Control

### Load Switches

Product Name	Status	Description	Features	Package	Q-Level
SiP4280	NEW	Slew Rate Controlled Load switch	V <sub>max</sub> = 5.5 V, r <sub>DS(on)</sub> = 0.080 Ohms, I <sub>D</sub> = 2.3 A;	SMD SC70JW-8	
SiP4610A	NEW	Protected 1-A high-side load switch	V <sub>max</sub> = 5.5 V, r <sub>DS(on)</sub> = 0.145 Ohms, I <sub>D</sub> = 1.0 A;	SMD Thin SOT-23-5	

### Multilayer Ceramic Chip Capacitors

Product Name	Status	Description	Features	Package	Q-Level
X7R Dielectric		MLCC; for decoupling and filtering; excellent aging characteristics; general purpose dielectric;	100 pF - 1 μF	SMD 0402-3640 EIA-Sizes	

### Power MOSFETs

Product Name	Status	Description	Features	Package	Q-Level
Si1040X		Logic Level P-channel Load switch with Level Shift;	V <sub>DS</sub> = -8 V; r <sub>DS(on)</sub> = 625 milliohms; I <sub>D</sub> = -0.43 A;	SMD SC-89	
Si1489EDH	NEW	Low Threshold Voltage P-channel MOSFET; with R <sub>DSon</sub> Rating at 1.5 V and 1.2V	V <sub>DS</sub> = -8 V; r <sub>DS(on)</sub> = .097Ohm@1.5 I <sub>D</sub> = -3 A;	SMD SC70-6 SOT-363	
Si1869DH		Load switch with Level Shift	V <sub>DS</sub> = -20 V; r <sub>DS(on)</sub> = 0.165ohm, I <sub>D</sub> = -1.2 A;	SMD SC70-6	
Si3495DV		Low Threshold Voltage P-channel MOSFET; with R <sub>DSon</sub> Rating at 1.5 V;	V <sub>DS</sub> = -20 V; I <sub>D</sub> = -7 A; r <sub>DS(on)</sub> = 48 milliohms	SMD TSOP-6	
Si3499DV		Low Threshold Voltage P-channel MOSFET; with R <sub>DSon</sub> Rating at 1.5 V;	V <sub>DS</sub> = -8 V; I <sub>D</sub> = -7 A; r <sub>DS(on)</sub> = 48 milliohms	SMD TSOP-6	
Si3865BDV		Logic Level P-channel Load switch with Level Shift;	V <sub>DS</sub> = -8 V, I <sub>D</sub> = -2.5 A r <sub>DS(on)</sub> = 80 milliohms	SMD TSOP-6	
Si5499DC		Low Threshold Voltage P-channel MOSFET; with R <sub>DSon</sub> Rating at 1.5 V;	V <sub>DS</sub> = -8 V, r <sub>DS(on)</sub> = 0.077 Ohm; I <sub>D</sub> = -6.0 A	SMD Chip-FET 1206-8	
Si8419DB		Low Threshold Voltage P-Channel MOSFET; with R <sub>DSon</sub> Rating at 1.5 V	V <sub>DS</sub> = -8 V, r <sub>DS(on)</sub> = 0.069 Ohm; I <sub>D</sub> = -7.8 A	SMD MICRO FOOT CSP	

### Schottky Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAS40-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 200 mA	SMD SOD-523	
BAS520-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	
BAS581-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 40 V, IF = 30 mA	SMD SOD-523	
BAS70-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 70 V, IF = 200 mA	SMD SOD-523	
BAT54-02V	NEW	Small Signal Schottky Diodes; Single; Low Forward Voltage Drop; Space Saving SOD-523 SMD Package;	VR = 30 V, IF = 200 mA	SMD SOD-523	

Product Name	Status	Description	Features	Package	Q-Level
SD0520-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 20 V, IF = 500 mA	LLP-3A	
SD0530-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 30 V, IF = 500 mA	LLP-3A	
SD0540-HT3	NEW	Small Signal Schottky diodes; SMD; with very low forward voltage drop; Space-saving LLP75-3A SMD packag;	VR = 40 V, IF = 500 mA	LLP-3A	
SL02		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 20 V, IF = 1100 mA	DO-219AB	
SL03		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 30 V, IF = 1100 mA	DO-219AB	
SL04		Small Signal, Single Schottky Diodes very low forward voltage drop; high forward current capability;	VR = 40 V, IF = 1100 mA	DO-219AB	

### Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
1N4148WS		Small signal fast switching diodes; Low leakage current; space-saving SOD-323 SMD packages;	VRRM = 50 V to 75 V;	SMD SOD-323	
BAS16WS-V		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 75 V	SMD SOD-323	
BAV19WS		Small Signal Fast Switching Diodes; Low Leakage Current; Space Saving SOD-323 SMD Package;	VRRM = 120 V to 250 V , IFRM = 625 mA;	SMD SOD-323	

### Tantalum Capacitors

Product Name	Status	Description	Features	Package	Q-Level
292D		Solid Tantalum Chip Capacitors; TANTAMOUNT® Lead Frameless Molded;	3 V to 20 V, 1 $\mu$ F - 47 $\mu$ F	SMD 0805 -2012	
592D	NEW	Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low Profile; Maximum CV; Extended Range; Conformal Coated;	4 V to 35 V, 1 $\mu$ F-3,300 $\mu$ F 2.5mm to 1.3mm height;	SMD A - X Case EIA Size	
595D		Solid Tantalum Chip Capacitors; TANTAMOUNT®; Low ESR; Maximum CV; Extended Range; Conformal Coated;	4 V to 50 V; 0.1 $\mu$ F - 1500 $\mu$ F;	SMD T - R Case EIA Size	

### Zener Diodes

Product Name	Status	Description	Features	Package	Q-Level
BZX384-Series		Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-323 SMD Package	Vzmin = 2.2 V; Vzmax = 79 V;	SMD SOD-323	
BZX584C-02V	NEW	Small Signal Zener Diodes Available in 5% and 2% Vz Tolerance; Space Saving SOD-523 SMD Package	Vzmin = 2.4 V; Vzmax = 51 V;	SMD SOD-523	
GDZ-Series		Small-signal Zener diodes Small SOD323 & 523 SMD package; Available with 5 % and 2 % Vz tolerance;	Vzmin = 2.02 V; Vzmax = 79 V;	SMD SOD-323	

## Cell-phone : RF SECTION, Duplexer

### Attenuators

Product Name	Status	Description	Features	Package	Q-Level
CZA04S		Surface Mount Chip Resistor Attenuator thick film technology; for frequencies up to 3 GHz;	R = 50 ohms to 500 ohms; P = 40 mW to 75 mW;	SMD 0402	
CZA06S		Surface Mount Chip Resistor Attenuator	R = 50 ohms to 500 ohms; P = 40 mW to 75 mW;	SMD 0603;	

### Band-Switching Diodes

Product Name	Status	Description	Features	Package	Q-Level
BA892V-02V		Single Band Switching Diodes for band switching up to 3 GHz	VF = 1.1 V, IR = 20 nA; CD = 1 pF;	SMD SOD-523	

### Inductors

Product Name	Status	Description	Features	Package	Q-Level
IFCB-0402		Thin film ceramic chip inductor	L = 1 nH to 22 nH; I = 90 mA to 700 mA;	'0402	
ILC-0402		High-frequency ceramic chip inductor; Multilayer;	L = 1 nH to 100 nH; I = 100 mA to 300 mA;	SMD 0402	
IMC-0402		High Q/SRF laser spiral coated inductor	L = 1 nH to 100 nH; I = 90 mA to 400 mA; Q = 14 to 21;	'0402	

### RF Capacitors

Product Name	Status	Description	Features	Package	Q-Level
HPC0201A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 25 V; C = 0.4 pF to 39 pF;	0201	
HPC0402A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 50 V; C = 0.1 pF to 180 pF;	0402	
HPC0402B/C	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 25 V; C = 0.1 pF to 180 pF; very low profile;	0402	
HPC0603A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 50 V; C = 0.8 pF to 560 pF;	0603	
VJ C0G (NP0) Dielectric MLCC		Monolithic ceramic chip capacitor	VR = 25 V to 100 V; C = 1 pF to 100 pF;	SMD 0402	

### RF Pin Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAR63V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.2 V, IR = 10 nA, CD = 0.28 pF;	SMD SOD-523	
BAR64V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.1 V, IR = 50 nA, CD = 0.5 pF;	SMD SOD-523	
BAR65V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.1 V, IR = 20 nA, CD = 0.65 pF;	SMD SOD-523	

## Cell-phone : RF SECTION, PA Control

### RF Transistors

Product Name	Status	Description	Features	Package	Q-Level
BFP182TW		Silicon NPN Planar RF Transistor; Low Noise; Low Power; up to 7.5 GHz;	P = 200 mW, IC = 35 mA	SMD SOT-343; SOT-343R;	
BFP193TW		Silicon NPN Planar RF Transistor; Low Noise; up to 8.0 GHz;	P = 420 mW, IC = 80 mA	SMD SOT-343; SOT-343R;	
BFP196TW		Silicon NPN Planar RF Transistor; Low Noise; High Power; up to 7.5 GHz;	P = 500 mW, IC = 100 mA	SMD SOT-343;	
TSDF1205W		Low-noise NPN RF transistors for 12 GHz to 25 GHz;	P = 40 mW, IC = 12 mA	SMD SOT-343 SOT-343R	
TSDF1220W		Low-noise NPN RF transistors for 12 GHz to 25 GHz;	P = 200 mW, IC = 40 mA	SMD SOT-343 SOT-343R	
TSDF1250W		Low-noise NPN RF transistors for 12 GHz to 25 GHz;	P = 200 mW, IC = 60 mA	SMD SOT-343 SOT-343R	
TSDF1920W		25-GHz NPN RF transistors very high power gain; Very low-noise;	P = 40 mW, IC = 12 mA	SOT343R	
TSDF2020W		25-GHz NPN RF transistors very high power gain; Very low-noise;	P = 200 mW, IC = 40 mA	SOT343R	

### Thermistors

Product Name	Status	Description	Features	Package	Q-Level
2381 615 4.... NTCS0402E3...		SMD NTC thermistor; with high sensitivity and high accuracy	4.7 k $\Omega$ to 100 k $\Omega$ ; Ptot max= 125mW;	SMD 0402	
NTHS		SMD NTC thermistor	4.7 k $\Omega$ to 350 k $\Omega$	SMD 0402	
PTFT		SMD linear PTC	10 $\Omega$ to 10 k $\Omega$ , 75 mW, 30V	SMD 0603	
TFPT		SMD linear PTC with high TC and tight tolerance;	4110 ppm/ $^{\circ}$ C; 100 ohms to 1 kilohm; 75 mW;	SMD 0603	

## Cell-phone : RF SECTION, Receiver

### Attenuators

Product Name	Status	Description	Features	Package	Q-Level
CZA04S & CZA06S		Surface Mount Chip Resistor Attenuator	R = 50 ohms to 500 ohms; P = 40 mW to 75 mW;	SMD 0402; 0603	

### Inductors

Product Name	Status	Description	Features	Package	Q-Level
IFCB-0402		Thin film ceramic chip inductor	L = 1 nH to 22 nH; I = 90 mA to 700 mA;	'0402	
ILC-0402		High-frequency ceramic chip inductor; Multilayer;	L = 1 nH to 100 nH; I = 100 mA to 300 mA;	SMD 0402	
IMC-0402		High Q/SRF laser spiral coated inductor	L = 1 nH to 100 nH; I = 90 mA to 400 mA; Q = 14 to 21;	'0402	

### RF Capacitors

Product Name	Status	Description	Features	Package	Q-Level
HPC0201A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 25 V; C = 0.4 pF to 39 pF;	0201	
HPC0402A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 50 V; C = 0.1 pF to 180 pF;	0402	
HPC0402B/C	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 25 V; C = 0.1 pF to 180 pF; very low profile;	0402	
HPC0603A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 50 V; C = 0.8 pF to 560 pF;	0603	
VJ C0G (NP0) Dielectric MLCC		Monolithic ceramic chip capacitor	VR = 25 V to 100 V; C = 1 pF to 100 pF;	SMD 0402	

### RF Transistors

Product Name	Status	Description	Features	Package	Q-Level
BFP182TW		Silicon NPN Planar RF Transistor; Low Noise; Low Power; up to 7.5 GHz;	P = 200 mW, IC = 35 mA	SMD SOT-343; SOT-343R;	
BFP193TW		Silicon NPN Planar RF Transistor; Low Noise; up to 8.0 GHz;	P = 420 mW, IC = 80 mA	SMD SOT-343; SOT-343R;	
BFP196TW		Silicon NPN Planar RF Transistor; Low Noise; High Power; up to 7.5 GHz;	P = 500 mW, IC = 100 mA	SMD SOT-343;	
TSDF1205W		Low-noise NPN RF transistors for 12 GHz to 25 GHz;	P = 40 mW, IC = 12 mA	SMD SOT-343 SOT-343R	
TSDF1220W		Low-noise NPN RF transistors for 12 GHz to 25 GHz;	P = 200 mW, IC = 40 mA	SMD SOT-343 SOT-343R	
TSDF1250W		Low-noise NPN RF transistors for 12 GHz to 25 GHz;	P = 200 mW, IC = 60 mA	SMD SOT-343 SOT-343R	
TSDF1920W		25-GHz NPN RF transistors very high power gain; Very low-noise;	P = 40 mW, IC = 12 mA	SOT343R	
TSDF2020W		25-GHz NPN RF transistors very high power gain; Very low-noise;	P = 200 mW, IC = 40 mA	SOT343R	

## Cell-phone : RF SECTION, RF Modulator

### Attenuators

Product Name	Status	Description	Features	Package	Q-Level
CZA04S & CZA06S		Surface Mount Chip Resistor Attenuator	R = 50 ohms to 500 ohms; P = 40 mW to 75 mW;	SMD 0402; 0603	

### Inductors

Product Name	Status	Description	Features	Package	Q-Level
IFCB-0402		Thin film ceramic chip inductor	L = 1 nH to 22 nH; I = 90 mA to 700 mA;	'0402	
ILC-0402		High-frequency ceramic chip inductor; Multilayer;	L = 1 nH to 100 nH; I = 100 mA to 300 mA;	SMD 0402	
IMC-0402		High Q/SRF laser spiral coated inductor	L = 1 nH to 100 nH; I = 90 mA to 400 mA; Q = 14 to 21;	'0402	

### RF Capacitors

Product Name	Status	Description	Features	Package	Q-Level
HPC0201A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 25 V; C = 0.4 pF to 39 pF;	0201	
HPC0402A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 50 V; C = 0.1 pF to 180 pF;	0402	
HPC0402B/C	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 25 V; C = 0.1 pF to 180 pF; very low profile;	0402	
HPC0603A	NEW	SMD silicon capacitor up to 15 GHz; High-performance; high-precision;	VR = 50 V; C = 0.8 pF to 560 pF;	0603	
VJ C0G (NP0) Dielectric MLCC		Monolithic ceramic chip capacitor	VR = 25 V to 100 V; C = 1 pF to 100 pF;	SMD 0402	

### RF Pin Diodes

Product Name	Status	Description	Features	Package	Q-Level
BAR63V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.2 V, IR = 10 nA, CD = 0.28 pF;	SMD SOD-523	
BAR64V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.1 V, IR = 50 nA, CD = 0.5 pF;	SMD SOD-523	
BAR65V-02V		Single Band Switching Diodes as signal attenuator / switch up to 3GHz	VF = 1.1 V, IR = 20 nA, CD = 0.65 pF;	SMD SOD-523	

### RF Transistors

Product Name	Status	Description	Features	Package	Q-Level
BFP182TW		Silicon NPN Planar RF Transistor; Low Noise; Low Power; up to 7.5 GHz;	P = 200 mW, IC = 35 mA	SMD SOT-343; SOT-343R;	
BFP193TW		Silicon NPN Planar RF Transistor; Low Noise; up to 8.0 GHz;	P = 420 mW, IC = 80 mA	SMD SOT-343; SOT-343R;	
BFP196TW		Silicon NPN Planar RF Transistor; Low Noise; High Power; up to 7.5 GHz;	P = 500 mW, IC = 100 mA	SMD SOT-343;	
TSDF1205W		Low-noise NPN RF transistors for 12 GHz to 25 GHz;	P = 40 mW, IC = 12 mA	SMD SOT-343 SOT-343R	
TSDF1220W		Low-noise NPN RF transistors for 12 GHz to 25 GHz;	P = 200 mW, IC = 40 mA	SMD SOT-343 SOT-343R	
TSDF1250W		Low-noise NPN RF transistors	P = 200 mW, IC = 60 mA	SMD	

Product Name	Status	Description	Features	Package	Q-Level
		for 12 GHz to 25 GHz;		SOT-343 SOT-343R	
TSD1920W		25-GHz NPN RF transistors very high power gain; Very low-noise;	P = 40 mW, IC = 12 mA	SOT343R	
TSD2020W		25-GHz NPN RF transistors very high power gain; Very low-noise;	P = 200 mW, IC = 40 mA	SOT343R	

