

SMALL-SIGNAL DIODES

Zener, Schottky, Switching

Schottky Diodes - Focus Products

	Product	Package	Dimensions l x b x h (mm) or l x Ø (mm)	Reverse Voltage V_{Rmax} (V)	Forward Voltage V_{Fmax} at I_F (V at mA)	Power Dissipation P_{tot} (mW)	T_{jmax} (°C)	ESD HBM > 4000 V 1500 Ω / 100 pF Typical Rating	ESD MM > 400 V 0 Ω / 200 pF Typical Rating	MSL	Wave Solderable	Reflow Solderable	GREEN (E-2009)*	HALOGEN FREE	RoHS COMPLIANT	AEC-Q101 qualified
SMD Glass	 BAS386	MicroMELF	1.9 x Ø1.25	50	0.45 at 1.0	300	125	x	x	n/a	x	x		x	x	x
	 MCL103 - Series	MicroMELF	1.9 x Ø1.25	20 to 40	0.6 at 200	400	125	x	x	n/a	x	x		x	x	x
	 LL103 - Series	MiniMELF SOD-80	3.5 x Ø1.5	20 to 40	0.6 at 200	400	125	x	x	n/a	x	x			x	x
	 BAS85	MiniMELF SOD-80	3.5 x Ø1.5	30	0.40 at 10	330	125		x	n/a	x	x			x	x
	 LL101 - Series	MiniMELF SOD-80	3.5 x Ø1.5	40	0.39 at 1.0	330	125		x	n/a	x	x			x	x
	 LL46	MiniMELF SOD-80	3.5 x Ø1.5	100	0.45 at 1.0	330	125	x	x	n/a	x	x			x	x
Leaded Glass	 BAS285	QuadroMELF SOD-80	3.5 x 1.5 x 1.5	30	0.40 at 10	330	125		x	n/a	x	x			x	x
	 BAT41	DO-35	3.9 x Ø1.7	100	1.0 at 200	330	125	x	x	n/a	x	x		x	x	x
	 BAT46	DO-35	3.9 x Ø1.7	100	0.45 at 1.0	330	125	x	x	n/a	x	x		x	x	x
SMD Plastic	 BAT83 - Series	DO-35	3.9 x Ø1.7	40 to 60	0.41 at 1.0	330	125		x	n/a	x	x		x	x	x
	 BAT54-02V-V-G	SOD-523	2.85 x 1.5 x 1.15	30	0.5 at 30	150	125	x	x	1	x	x	x		x	
	 SD103AWS-V-G - Series	SOD-323	2.85 x 1.5 x 1.15	20 to 40	0.6 at 200	200	125	x	x	1	x	x	x		x	x
	 BAT54WS-V	SOD-323	2.85 x 1.5 x 1.15	30	0.5 at 30	150	125	x	x	1	x	x			x	x
	 BAT46W-V	SOD-123	3.85 x 1.7 x 1.35	100	0.45 at 10	200	125	x	x	1	x	x			x	x
	 BAS40-V-G - Series	SOT-23	3.1 x 2.6 x 1.15	40	0.38 at 1.0	200	125	x	x	1	x	x	x		x	x
	 BAT54-V-G - Series	SOT-23	3.1 x 2.6 x 1.15	30	0.5 at 30	230	125	x	x	1	x	x	x		x	x

Switching Diodes - Focus Products

	Product	Package	Dimensions l x b x h (mm) or l x Ø (mm)	Reverse Voltage V_{Rmax} (V)	Reverse Recovery Time t_{rrmax} (ns)	Power Dissipation P_{tot} (mW)	T_{jmax} (°C)	ESD HBM > 4000 V 1500 Ω / 100 pF Typical Rating	ESD MM > 800 V 0 Ω / 200 pF Typical Rating	MSL	Wave Solderable	Reflow Solderable	GREEN (E-2009)*	HALOGEN FREE	RoHS COMPLIANT	AEC-Q101 qualified
SMD Glass	 MCL4148/MCL4448	MicroMELF	1.9 x Ø1.25	75	4	500	175	x	x	n/a	x	x		x	x	x
	 BAV300 - Series	MicroMELF	1.9 x Ø1.25	50 to 200	50	500	175	x	x	n/a	x	x		x	x	x
	 LL4148	MiniMELF SOD-80	3.5 x Ø1.5	75	4	500	175	x	x	n/a	x	x			x	x
	 LL4150	MiniMELF SOD-80	3.5 x Ø1.5	75	4	500	175	x	x	n/a	x	x			x	x
	 BAV100 - Series	MiniMELF SOD-80	3.5 x Ø1.5	50 to 200	50	500	175	x	x	n/a	x	x			x	x
	 LS4148	QuadroMELF SOD-80	3.5 x 1.5 x 1.5	75	4	500	175	x	x	n/a	x	x			x	x
Leaded Glass	 BAV200 - Series	QuadroMELF SOD-80	3.5 x 1.5 x 1.5	50 to 200	50	500	175	x	x	n/a	x	x			x	x
	 1N4150	DO-35	3.9 x Ø1.7	75	4	500	175	x	x	n/a	x	x		x	x	x
	 BAS34 - Series	DO-35	3.9 x Ø1.7	30 to 60	n/a	500	175	x	x	n/a	x	x		x		
	 BAV21 - Series	DO-35	3.9 x Ø1.7	50 to 200	50	500	175	x	x	n/a	x	x		x	x	x
SMD Plastic	 BAW76	DO-35	3.9 x Ø1.7	75	4	500	175	x	x	n/a	x	x		x		
	 1N4148WS-V	SOD-323	2.85 x 1.5 x 1.15	75	4	200	150	x	x	1	x	x			x	x
	 BAV21SW-V	SOD-323	2.85 x 1.5 x 1.15	200	50	200	150	x	x	1	x	x			x	x
	 1N4148W-V-G	SOD-123	3.85 x 1.7 x 1.35	75	4	350	150	x	x	1	x	x	x		x	x
	 BAV21W-V-G	SOD-123	3.85 x 1.7 x 1.35	100 to 200	50	410	150	x	x	1	x	x	x		x	x
	 BAV23C-V-G	SOT-23	3.1 x 2.6 x 1.15	200	50	350	150	x	x	1	x	x	x		x	x
	 BAV99-V	SOT-23	3.1 x 2.6 x 1.15	70	6	300	150	x	x	1	x	x			x	x

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		Product	Package	Dimensions l x b x h (mm) or l x Ø (mm)	Zener Voltage Range V _Z (V)	Tolerance	Power Dissipation P _{tot} (mW)	T _{jmax} (°C)	ESD HBM > 8000 V 1500 Ω / 100 pF Typical Rating	ESD MM > 800 V 0 Ω / 200 pF Typical Rating	MSL	Wave Solderable	Reflow Solderable	GREEN (E-2009)*	HALOGEN FREE	RoHS COMPLIANT	AEC-Q101 qualified
SMD Glass		BZM55 - Series	MicroMELF	1.9 x Ø1.25	2.4 to 75	± 2 % and ± 5 %	500	175	x	x	n/a	x	x		x	x	x
		TLZ - Series	MiniMELF SOD-80	3.5 x Ø1.5	2.4 to 56	special	500	175	x	x	n/a	x	x		x	x	x
		TZM - Series	MiniMELF SOD-80	3.5 x Ø1.5	2.4 to 75	± 2 % and ± 5 %	500	175	x	x	n/a	x	x			x	x
		VLZ - Series	QuadroMELF SOD-80	3.5 x 1.5 x 1.5	2.4 to 56	special	500	175	x	x	n/a	x	x			x	x
		BZT55 - Series	QuadroMELF SOD-80	3.5 x 1.5 x 1.5	2.4 to 75	± 2 % and ± 5 %	500	175	x	x	n/a	x	x			x	x
Leaded Glass		BZX55 - Series	DO-35	3.9 x Ø1.7	2.4 to 75	± 2 % and ± 5 %	500	175	x	x	n/a	x	x		x	x	x
		TZX - Series	DO-35	3.9 x Ø1.7	2.4 to 36	special	500	175	x	x	n/a	x	x		x	x	x
		BZX85 - Series	DO-41	4.1 x Ø2.6	2.7 to 100	± 2 % and ± 5 %	1300	175	x	x	n/a	x	x		x	x	x
		1N47xx - Series	DO-41	4.1 x Ø2.6	3.3 to 100	± 5 %	1300	175	x	x	n/a	x	x		x	x	x
SMD Plastic		BZX584-V-G - Series	SOD-523	1.7 x 0.9 x 0.7	2.4 to 51	± 5 %	200	150	x	x	1	x	x	x		x	
		BZX384-V-G - Series	SOD-323	2.85 x 1.5 x 1.15	2.4 to 75	± 2 % and ± 5 %	200	150	x	x	1	x	x	x		x	x
		BZT52-V-G - Series	SOD-123	3.85 x 1.7 x 1.35	2.4 to 75	± 2 % and ± 5 %	410	150	x	x	1	x	x	x		x	x
		MMSZ52-V - Series	SOD-123	3.85 x 1.7 x 1.35	3 to 75	± 2 % and ± 5 %	410	150	x	x	1	x	x			x	x
		AZ23-V-G - Series	SOD-23	3.1 x 2.6 x 1.15	2.7 to 51	± 2 % and ± 5 %	300	150	x	x	1	x	x	x		x	x
		MMBZ52-V-G - Series	SOD-23	3.1 x 2.6 x 1.15	3 to 75	± 2 % and ± 5 %	300	150	x	x	1	x	x	x		x	x
		BZX84-V - Series	SOD-23	3.1 x 2.6 x 1.15	2.4 to 75	± 5 %	300	150	x	x	1	x	x			x	x
		BZD27C-M - Series	DO-219AB (SMF)	3.9 x 1.9 x 0.98	3.6 to 200	± 5 %	800	150	x	x	1	x	x		x	x	x
		BZG05C - Series	DO-214AC	5.5 x 2.8 x 2.3	3.3 to 100	± 5 %	1250	150	x	x	1	x	x			x	x
		BZG03C - Series	DO-214AC	5.5 x 2.8 x 2.3	10 to 270	± 5 %	3000	150	x	x	1	x	x			x	x