Surface mount fast switching Diode multicomp



Features:

- Fast Switching Speed
- Surface Mount Package Ideally Suited For Automatic Insertion
- For General Purpose Switching Applications
- High Conductance





Applications:

Surface mount fast switching diode

Maximum Rating @ Ta = 25°C unless otherwise specified

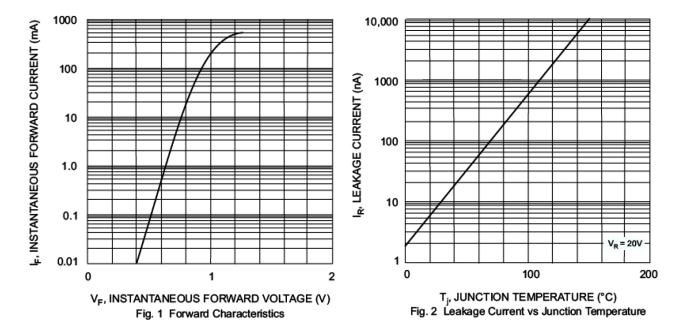
Characteristic	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	Vrm	100	V
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	Vrrm Vrwm Vr	75	V
RMS Reverse Voltage	Vr(rms)	53	V
Forward Continuous Current	Iгм	500	mA
Average Rectified Output Current	lo	250	mA
Non-Repetitive Peak Forward Surge Current @ t = 1.0 µs @ t = 1.0 s	Іғѕм	4 2	А
Power Dissipation	Pd	200	mW
Thermal Resistance Junction to Ambient Air	Reja	625	°C/W
Operating and Storage Temperature Range	Tj,TSTG	-65 to+150	°C

Electrical Characteristics @ Ta = 25°C unless otherwise specified

Characteristic	Symbol	Min.	Max.	Unit	Test Condition
Reverse Breakdown Voltage	V(BR)R	75	-	V	I _R = 1μΑ
Forward Voltage	VF	0.62	0.72 0.855 1 1.25	V	IF = 5mA IF = 10mA IF = 100mA IF = 150mA
Reverse Current	lr	-	1 25	μA nA	V _R = 75V V _R = 20V
Capacitance between terminals	Ст	-	4	pF	V _R = 0, f = 1MHz
Reverse Recovery Time	trr	-	4	ns	IF = IR = 10mA, Irr = 0.1 × IR, RL = 100Ω

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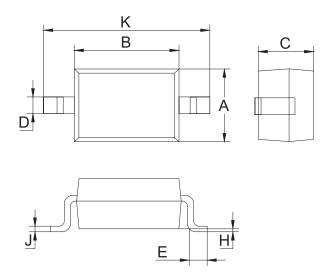




Typical Characteristics @ Ta = 25°C unless otherwise specified

Package Outline

Plastic surface mounted package



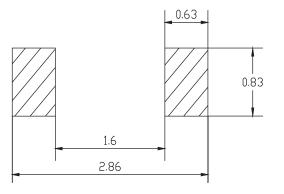
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SOD-323				
Dim	Min	Мах		
А	1.275	1.325		
В	1.675	1.725		
С	0.9 Typical			
D	0.25	0.35		
E	0.27	0.37		
Н	0.02	0.1		
J	0.1 Typical			
К	2.6	2.7		
All Dimensions in mm				



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Soldering Foot print



Unit : mm

Package Information

Device	Package	Shipping
1N4448WS	SOD-323	3,000 / Tape & Reel

Part Number Table

Description	Part Number
Surface Mount Fast Switching Diode	1N4448WS

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