



Micro Commercial Components

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SB2150

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Schottky Barrier Rectifier
- Guard Ring Protection
- Moisture Sensitivity Level 1
- Epoxy meets UL 94 V-0 flammability rating
- Halogen free available upon request by adding suffix "-HF"

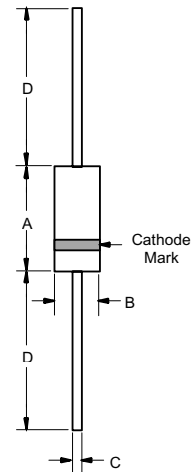
2 Amp Schottky Barrier Rectifier 150 Volts

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

MCC catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SB2150	SB2150	150V	105V	150V

DO-15



Electrical Characteristics @25°C Unless Otherwise Specified

Average forward current	$I_{F(AV)}$	2A	$T_L = 100^\circ\text{C}$
Maximum surge current	I_{FSM}	50A	8.3ms, half sine,
Max peak forward voltage	V_{FM}	.95V	$I_{FM} = 2.0\text{A};$
Max peak reverse current	I_{RM}	0.5mA	$T_A = 25^\circ\text{C}$
Typical junction capacitance	C_J	65pF	$V_R = 4.0\text{V}$ $f = 1.0\text{MHz}$

DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.230	.300	5.80	7.60	
B	.104	.140	2.60	3.60	
C	.026	.034	.70	.90	
D	1.000	---	25.40	---	

Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

FIG.2-TYPICAL FORWARD CHARACTERISTICS

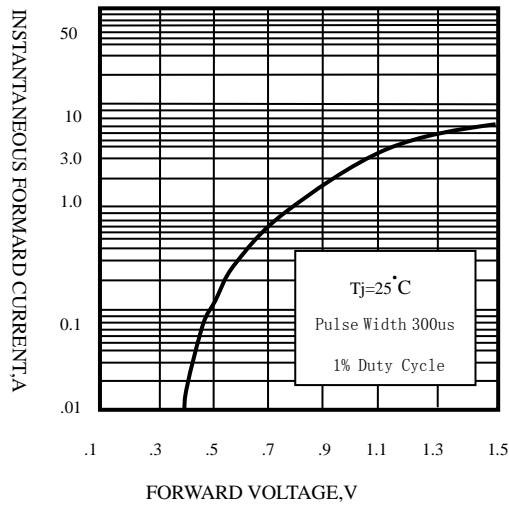


FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

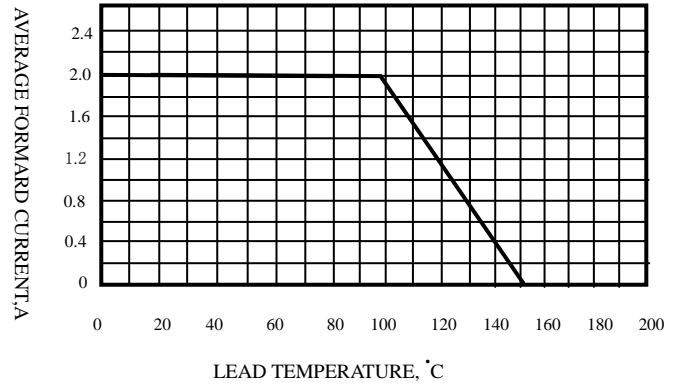


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

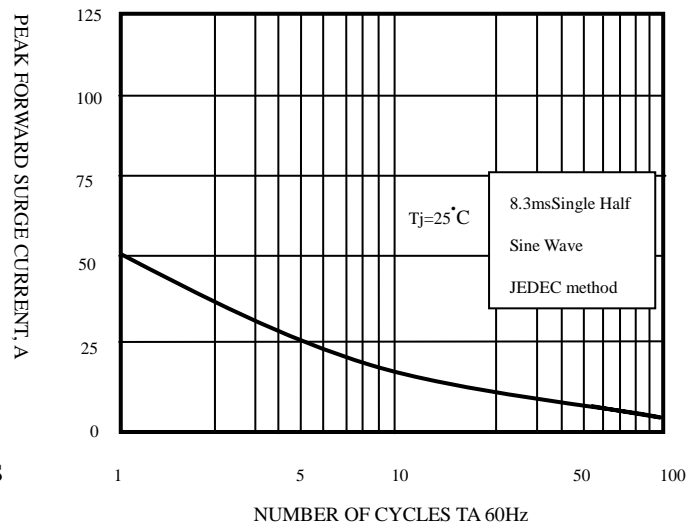


FIG.5-TYPICAL REVERSE CHARACTERISTICS

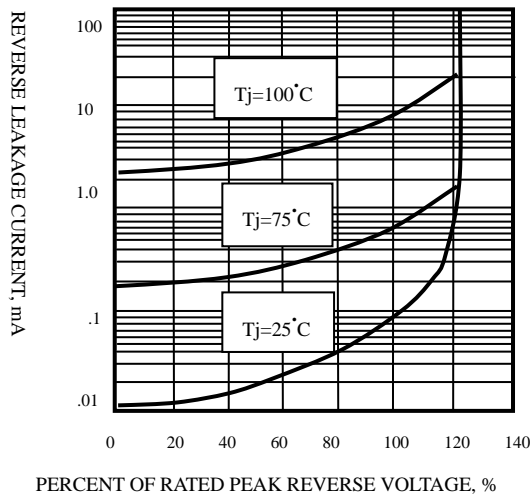
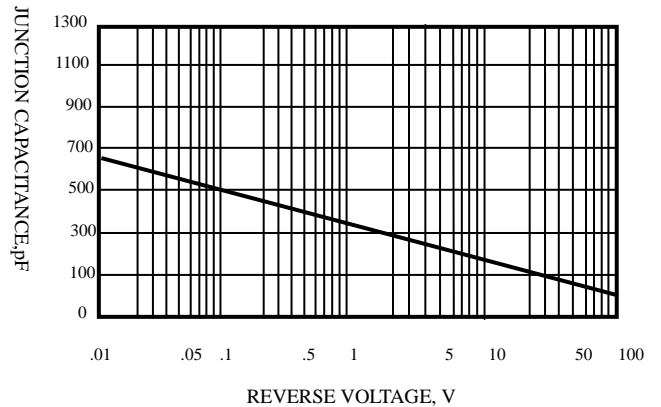


FIG.4-TYPICAL JUNCTION CAPACITANCE





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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 4Kpcs/Reel
Part Number-AP	Ammo Packing: 3Kpcs/Ammo Box
Part Number-BP	Bulk: 25Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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