

**Features**

- High Current Schottky Diode With Low VF Drop
- Low Voltage, Low Inductance
- For Power Supply
- For Clamping and Protection in Low Voltage Application
- For Detection and Step-up Conversion
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

**Maximum Ratings**

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 500°C/W Junction to Ambient

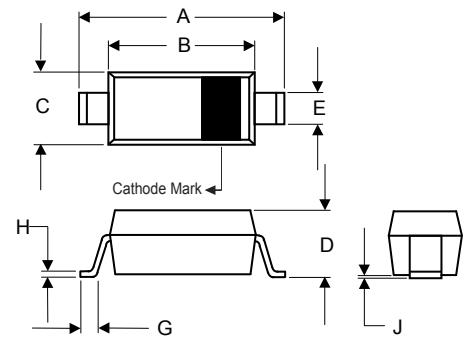
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
BAT60B	W5	10V	7V	10V

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Average Forward Current	$I_{F(AV)}$	3A	-
Peak Forward Surge Current	$I_{FSM}$	5A	t=8.3ms
Power Dissipation	$P_d$	250mW	$T_A=25^\circ C$
Maximum Instantaneous Forward Voltage	$V_F$	300mV 380mV 500mV 600mV	$I_F=10mA$ $I_F=100mA$ $I_F=500mA$ $I_F=1000mA$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	15µA 25µA	$V_R=5V$ $V_R=8V$
Maximum Junction Capacitance	$C_T$	30pF	Measured at 1.0MHz, $V_R=5.0V$

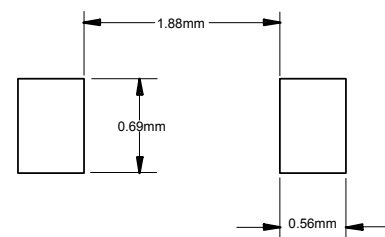
**250mW, 10 Volt Schottky Barrier Diode**

**SOD-323**



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.090	0.107	2.30	2.70	
B	0.063	0.071	1.60	1.80	
C	0.045	0.053	1.15	1.35	
D	0.031	0.045	0.80	1.15	
E	0.010	0.016	0.25	0.40	
G	0.004	0.018	0.10	0.45	
H	0.004	0.010	0.10	0.25	
J	-----	0.006	-----	0.15	

**Suggested Solder Pad Layout**



**Curve Characteristics**

Fig. 1 - Typical Instantaneous Forward Characteristics

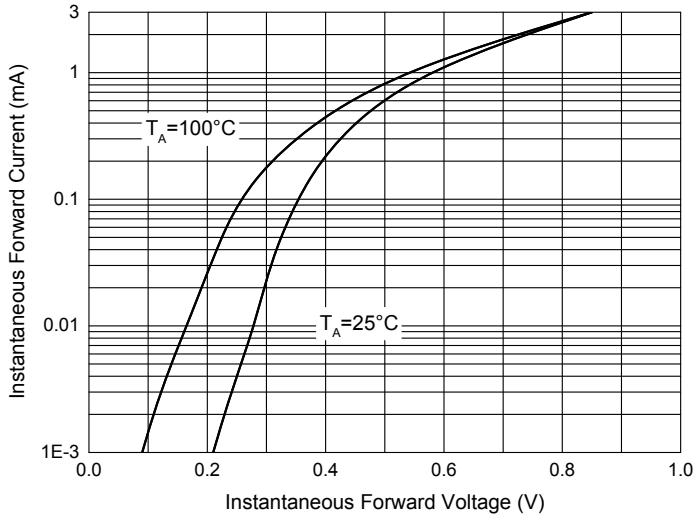


Fig. 2 - Typical Reverse Leakage Characteristics

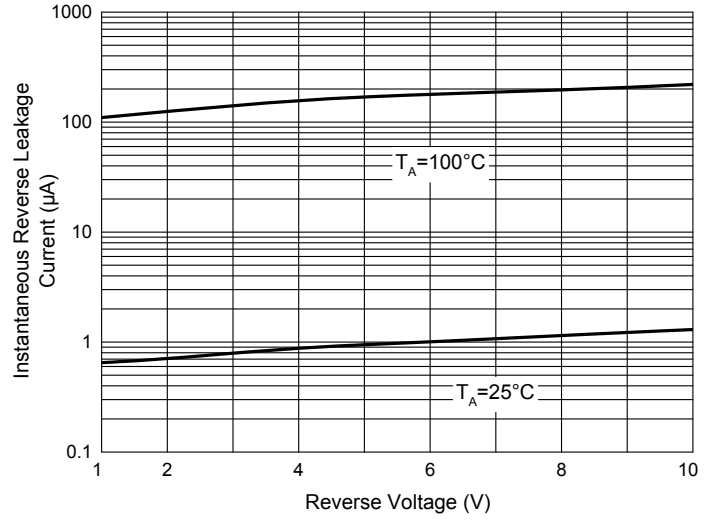
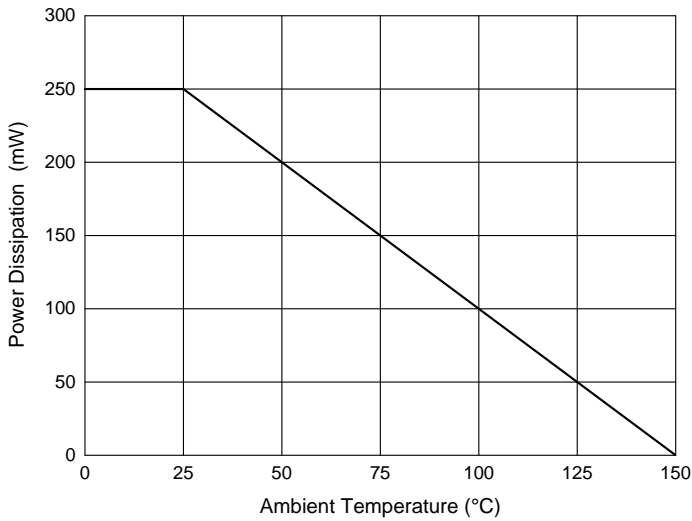


Fig. 3 - Power Derating Curve



## Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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