TECHNICAL DATA DATA SHEET 334, REV. A

ULTRA LOW REVERSE LEAKAGE POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

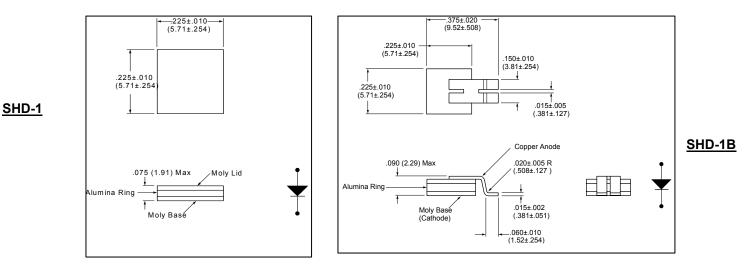
DESCRIPTION: 100 VOLT, 7.5 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-1/A/B PACKAGE.

MAXIMUM RATINGSALL RATINGS ARE @ Tc = 25 °C UNI	LESS OTHERWISE SPECIFIED.			
RATING	SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE	PIV	100	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_c =100 $^{\circ}$ C)	Ι _Ο	7.5	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT	I _{FSM}	140	Amps	
(t = 8.3ms, Sine)				
MAXIMUM JUNCTION CAPACITANCE (V _r =5V) (per leg)	C _T	250	pF	
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R\theta_{JC}$	1.7	°C/W	
MAXIMUM OPERATING TEMPERATURE RANGE	Тор	-65 to + 200	°C	
MAXIMUM STORAGE TEMPERATURE RANGE	Tstg	-65 to + 175	°C	

ELECTRICAL CHARACTERISTICS

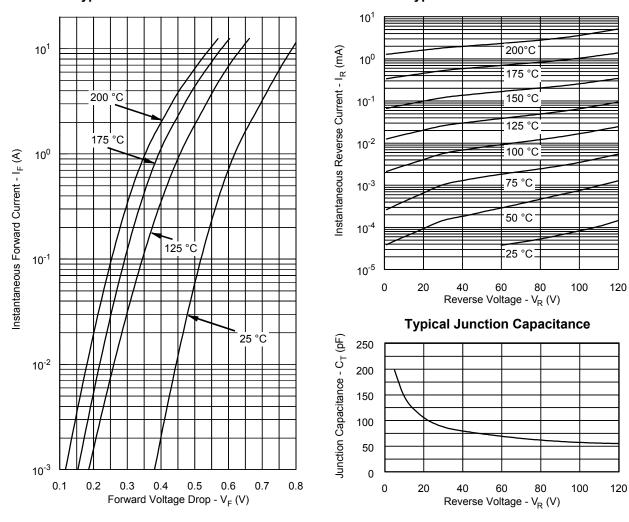
CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed $(I_f = 7.5 \text{ Amps})$			
T _J = 25 °C	V _f	0.84	Volts
T _J = 125 °C	- 1	0.68	
MAXIMUM REVERSE CURRENT (Ir @ 100V PIV)			
T _J = 25 °C	I _r	0.01	mA
T _J = 125 °C		0.5	

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MECHANICAL DIMENSIONS: In Inches / mm

Typical Forward Characteristics



Typical Reverse Characteristics

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