TECHNICAL DATA DATA SHEET 398, REV. B

HERMETIC POWER SCHOTTKY RECTIFIER Ultra Low Reverse Leakage

DESCRIPTION: 100 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-2/2B PACKAGE.

MAXIMUM RATINGS

ALL RATINGS ARE @ $T_{\rm C}$ = 25 °C UNLESS OTHERWISE SPECIFIED.

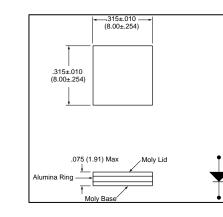
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_c = 100$ °C)	Ι _ο	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)	I _{FSM}	280	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	500	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R\theta_{JC}$	0.85	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to +200	°C

ELECTRICAL CHARACTERISTICS

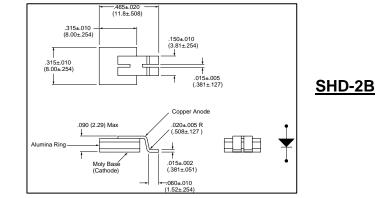
CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 15 \text{ Amps}$)			
T _J = 25 °C	V _f	0.84	Volts
T _J = 125 °C		0.68	
MAXIMUM REVERSE CURRENT (I _r @ 100 V PIV)			
T _J = 25 °C	l _r	0.1	mA
T _J = 125 °C		1.0	

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SHD-2

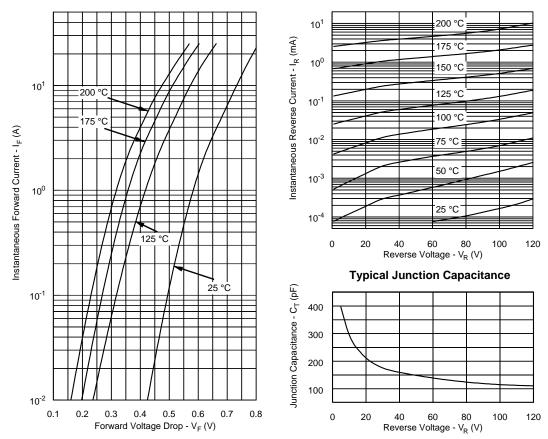


MECHANICAL DIMENSIONS: In Inches / mm



Typical Forward Characteristics





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