TECHNICAL DATA DATA SHEET 6078, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER Low Reverse Leakage 175 °C Operating Temperature

DESCRIPTION: 45 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A TO-257 2-LEAD PACKAGE.

MAXIMUM RATINGS

ALL RATINGS ARE @ T_C = 25 °C UNLESS OTHERWISE SPECIFIED.

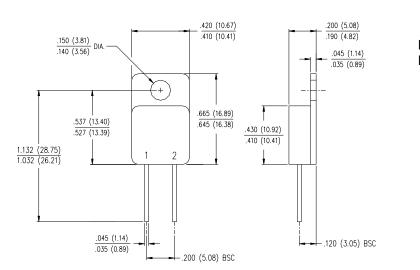
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ Tc=100 °C)	lo	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	150	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	Ст	800	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	R _θ JC	2.0	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C

ELECTRICAL CHARACTERISTICS

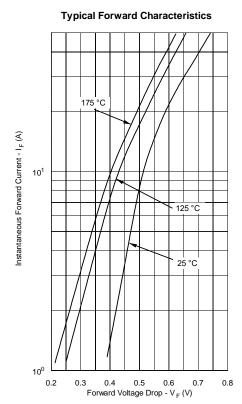
CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 15 Amps)			
T _J = 25 °C	V _f	0.75	Volts
T _J = 125 °C		0.725	
MAXIMUM REVERSE CURRENT (Ir @ 45V PIV)			
T _J = 25 °C	l _r	0.4	mA
T _J = 125 °C		15	

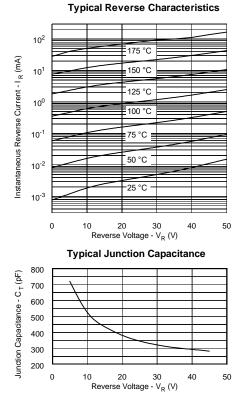
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MECHANICAL DIMENSIONS: In Inches / mm



Pin 1: Cathode Pin 2: Anode

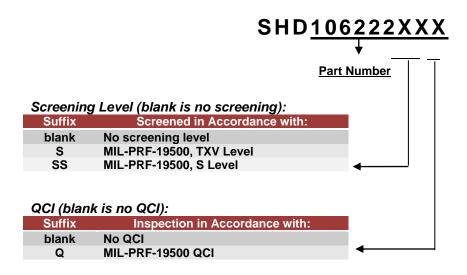




Note: Vf curves are for bare die only.

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PART ORDERING INFORMATION:



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