

TECHNICAL DATA  
DATA SHEET 300, REV.**HIGH CURRENT HERMETIC SCHOTTKY  
POWER MODULE****DESCRIPTION:** A 45 VOLT, 150 AMP, POWER SCHOTTKY RECTIFIER IN A POTTED PACKAGE.**MAXIMUM RATINGS**ALL RATINGS ARE @  $T_C = 25\text{ }^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED.

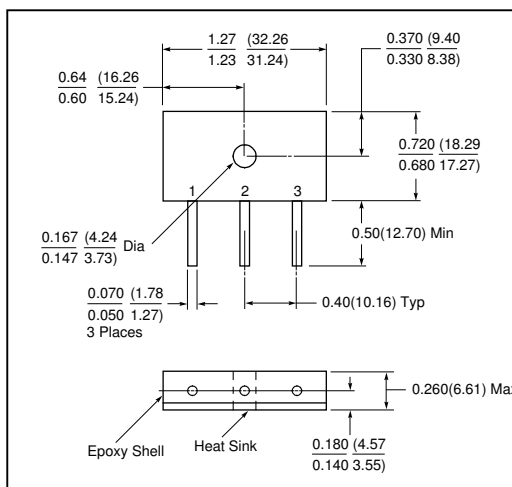
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT (@ $T_C=100\text{ }^\circ\text{C}$ )	$I_o$	150	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT ( $t = 8.3\text{ms}$ , Sine)	$I_{FSM}$	1000	Amps
MAXIMUM JUNCTION CAPACITANCE ( $V_r=5\text{V}$ )	$C_T$	5000	pF
MAXIMUM THERMAL RESISTANCE	$R\theta_{JC}$	0.4	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 150	$^\circ\text{C}$

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 150\text{ Amps}$ ) $T_J = 25\text{ }^\circ\text{C}$ $T_J = 125\text{ }^\circ\text{C}$	$V_f$	0.64 0.61	Volts
MAXIMUM REVERSE CURRENT ( $I_r @ 45\text{ V PIV}$ ) $T_J = 25\text{ }^\circ\text{C}$ $T_J = 110\text{ }^\circ\text{C}$	$I_r$	5.0 150	mA

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MECHANICAL DIMENSIONS: IN Inches / mm



**PKG. 22**

**PINOUT TABLE**

DEVICE TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER/COMMON CATHODE (P)	ANODE 1	COMMON CATHODE	ANODE 2
DUAL RECTIFIER/COMMON ANODE (N)	CATHODE 1	COMMON ANODE	CATHODE 2
DUAL RECTIFIER/DOUBLER (D)	ANODE	ANODE/CATHODE	CATHODE

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