

TECHNICAL DATA DATA SHEET 4637, REV.A.1

HERMETIC POWER SCHOTTKY RECTIFIER

(SINGLE / DUAL)

DESCRIPTION: A 45 VOLT, 45 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SMD-1 PACKAGE.

MAXIMUM RATINGS

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

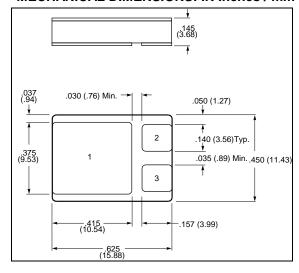
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ $T_C=100$ $^{\circ}$ C) (Single)	Io	45	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)	I _{FSM}	200	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	4800	pF
MAXIMUM THERMAL RESISTANCE	$R_{ heta JC}$	0.57	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	ů

ELECTRICAL CHARACTERISTICS

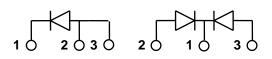
CHARACTERISTIC					
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 45 Amps	s)				
$T_{J}=2$	25 °C V _f	0.60	Volts		
$T_{J}=1$	25°C	0.50			
MAXIMUM REVERSE CURRENT (I _r @ 45 V PIV)					
$T_J = 2$	25 °C I _r	9	mA		
$T_{J}=1$	25 °C	420			

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MECHANICAL DIMENSIONS: IN Inches / mm



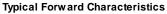


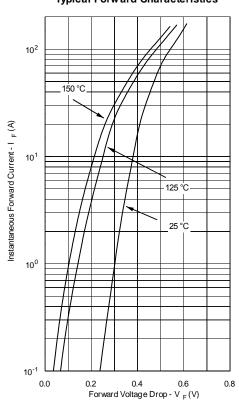


SMD-1

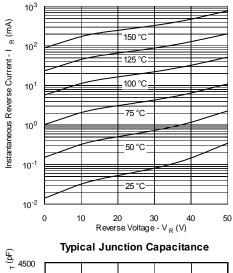
PINOUT TABLE

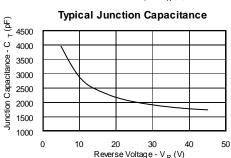
DEVICE TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE
COMMON CATHODE - P	COMMON CATHODE	ANODE 1	ANODE 2





Typical Reverse Characteristics







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