TECHNICAL DATA DATA SHEET 4547, REV. B

HERMETIC POWER SCHOTTKY RECTIFIER Very Low Forward Voltage Drop

Applications:

• Switching Power Supply • Converters • Free-Wheeling Diodes • Polarity Protection Diode

Features:

- Very Low Forward Voltage Drop
- High Efficiency
- High Frequency Application
- Guard Ring for Enhanced Durability and Long Term Reliability

MAXIMUM RATINGS

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

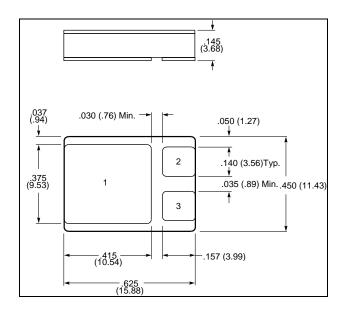
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	60	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ Tc=100 °C)	lo	75	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	IFSM	500	Amps
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	R _{eJC}	1.07	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE	Тор	-65 to + 175	°C
MAXIMUM STORAGE TEMPERATURE RANGE	Tstg	-65 to + 175	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (If =	75 Amps)			
· ·	25 °C 125 °C	V_{f}	0.82 0.70	Volts
MAXIMUM REVERSE CURRENT (Ir @ 60V PIV)				
	25 °C 125 °C	l _r	1 275	mA
MAXIMUM JUNCTION CAPACITANCE	$(V_r=5V)$	Ст	2200	рF

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MECHANICAL DIMENSIONS: in Inches / mm





SMD-1

PINOUT TABLE

TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE

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