

TECHNICAL DATA DATA SHEET 4662, REV. -

HIGH CURRENT HERMETIC SCHOTTKY POWER MODULE

DESCRIPTION: A 45 VOLT, 150/120 AMP, POWER SCHOTTKY RECTIFIER IN A POTTED PACKAGE.

MAXIMUM RATINGS

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

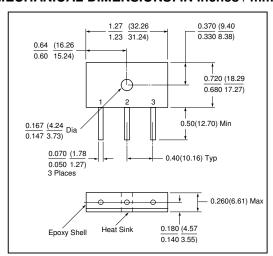
RATING		MAX.	UNITS
PEAK INVERSE VOLTAGE		45	Volts
MAXIMUM DC OUTPUT CURRENT @ T _C =100 ^O C (P and N versions) (per device)		150	Amps
MAXIMUM DC OUTPUT CURRENT @ T _C =100 ^O C (Single and D versions) (per device)		120	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (per leg) (t = 8.3ms, Sine)		1000	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5.0V) (per leg)	Ст	4800	pF
MAXIMUM THERMAL RESISTANCE		0.2	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		-55 to + 150	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC				
MAXIMUM FORWARD VOLTAGE DROP, Pulsed	(I _f = 120 Amps) (per leg)			
	$T_J = 25 ^{\circ}C$	V_{f}	0.72	Volts
	T _J = 125 °C		0.69	
MAXIMUM REVERSE CURRENT (I _r @ 45 V PIV) (per leg)				
	$T_J = 25 ^{\circ}C$	l _r	9	mA
	T _J = 125 °C		420	

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MECHANICAL DIMENSIONS: IN Inches / mm

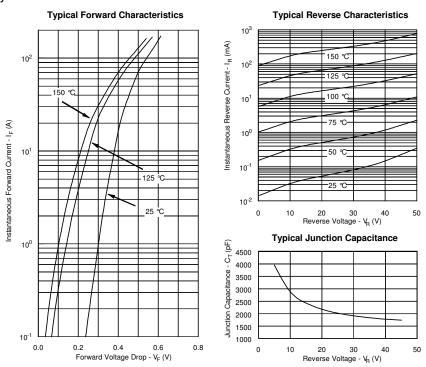


PKG. 22

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

Curves below are for die only



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TECHNICAL DATA

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