

TECHNICAL DATA
DATA SHEET 846, REV. -

HIGH CURRENT HERMETIC SCHOTTKY POWER MODULE

DESCRIPTION: A 15 VOLT, 150/120 AMP, POWER SCHOTTKY RECTIFIER IN A POTTED PACKAGE.

MAXIMUM RATINGS

ALL RATINGS ARE @ $T_C = 25\text{ }^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED.

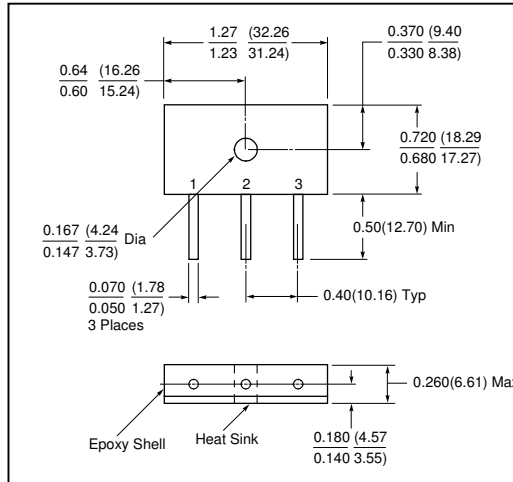
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	15	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_C=70\text{ }^\circ\text{C}$ (COMMON CATHODE & COMMON ANODE) (per device)	I_O	150	Amps
MAXIMUM DC OUTPUT CURRENT @ $T_C=70\text{ }^\circ\text{C}$ (DOUBLER) (per device)	I_O	120	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (per leg) (t = 8.3ms, Sine)	I_{FSM}	1000	Amps
MAXIMUM JUNCTION CAPACITANCE (per leg) ($V_r=5.0\text{V}$)	C_T	7200	pF
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	0.2	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	T_{op}/T_{stg}	-55 to +100	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 120\text{ Amps}$) (per leg) $T_J = 25\text{ }^\circ\text{C}$ $T_J = 75\text{ }^\circ\text{C}$	V_f	0.51 0.47	Volts
MAXIMUM REVERSE CURRENT (I_r @ 15 V PIV) (per leg) $T_J = 25\text{ }^\circ\text{C}$ $T_J = 100\text{ }^\circ\text{C}$	I_r	40 2000	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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