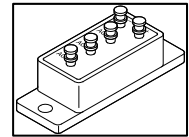


TECHNICAL DATA
DATA SHEET 4315, REV. A

THREE PHASE FULL WAVE RECTIFIER ASSEMBLY



DESCRIPTION: A 1000 VOLT, 40 AMP, 5000 NS 3-PHASE FULL WAVE RECTIFIER ASSEMBLY.

MAXIMUM RATINGS

ALL RATINGS ARE AT $T_C = 25\text{ C}$ UNLESS OTHERWISE SPECIFIED

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	1000	Volts
MAXIMUM DC OUTPUT CURRENT ($T_C = 55\text{ }^\circ\text{C}$) ($T_C = 100\text{ }^\circ\text{C}$)	I_o	40	Amps
		24	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3\text{ msec.}$ (PER LEG)	I_{FSM}	300	Amps
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	0.85	$^\circ\text{C/W}$
MAXIMUM JUNCTION TEMPERATURE RANGE	T_J	175	$^\circ\text{C}$
OPERATING AND STORAGE TEMPERATURE RANGE	T_C, T_{stg}	-55 to + 150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) ($I_f = 10\text{ AMPS}$)	V_f	1.5	Volts
MAXIMUM REVERSE CURRENT I_r @ PIV (PER LEG) ($T_C = 25\text{ }^\circ\text{C}$) $T_C = 100\text{ }^\circ\text{C}$)	I_r	20	μA
		200	μA
MAXIMUM REVERSE RECOVERY TIME ($I_f = 0.5\text{A}, I_r = 1.0\text{A}, t_{rr} = 0.25\text{A}$)	t_{rr}	300	ns

TECHNICAL DATA
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MECHANICAL DIMENSIONS: In Inches / mm

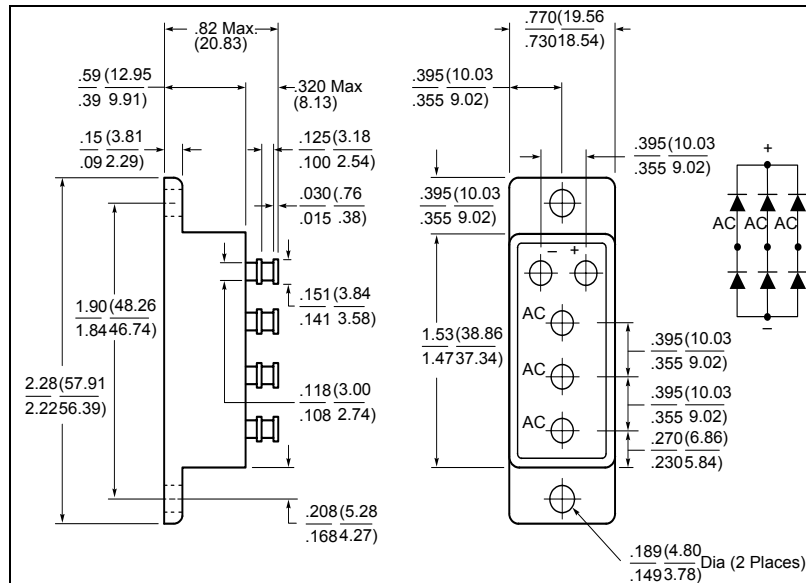


Fig. 424

*Case--black anodized. Potting surface--uncontrolled

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