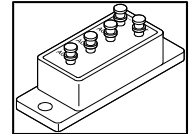


TECHNICAL DATA  
DATA SHEET 5189, REV. -

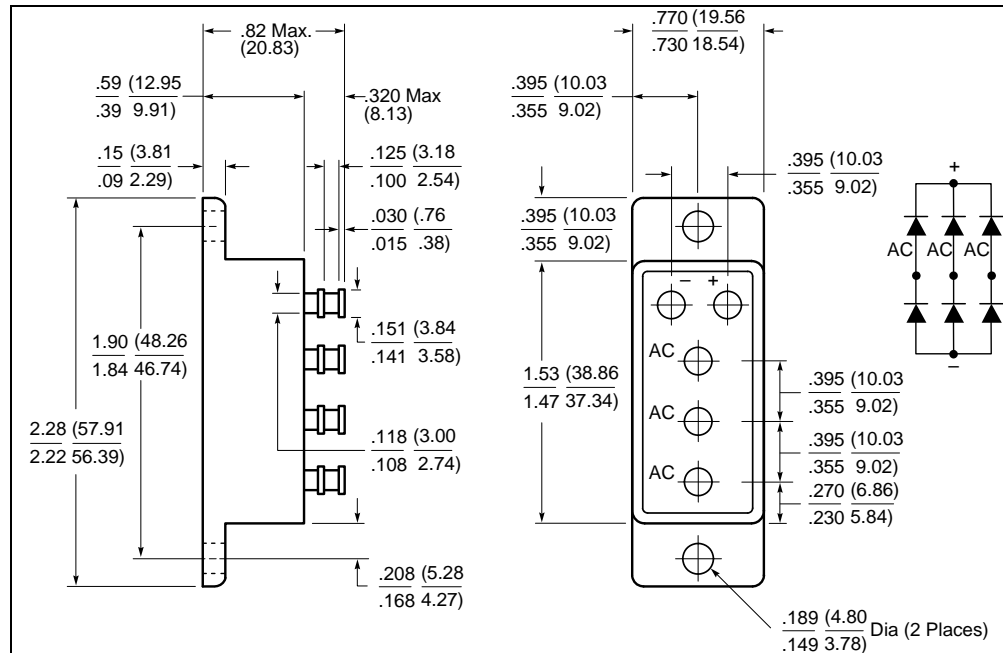
## THREE PHASE FULL WAVE RECTIFIER ASSEMBLY



**DESCRIPTION:** 150 VOLT, 44 AMP, 40 NS 3-PHASE FULL WAVE RECTIFIER ASSEMBLY.

**MAX RATINGS/ELECTRICAL CHARACTERISTICS** ALL RATINGS ARE AT  $T_C = 25\text{ C}$  UNLESS OTHERWISE SPECIFIED

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	150	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) ( $I_f = 10\text{ AMPS}$ )	$V_f$	1	Volts
MAXIMUM DC OUTPUT CURRENT $(T_C = 55\text{ }^\circ\text{C})$ $(T_C = 100\text{ }^\circ\text{C})$	$I_o$	44	Amps
		23	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3\text{ msec. (PER LEG)}$	$I_{FSM}$	300	Amps
MAXIMUM REVERSE RECOVERY TIME ( $I_f = 0.5\text{A}, I_r = 1.0\text{A}, t_{rr} = 0.25\text{A}$ )	$t_{rr}$	40	ns
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	$\mu\text{A}$
		200	$\mu\text{A}$
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{\theta JC}$	0.85	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	$T_{J, stg}$	-55 to + 150	$^\circ\text{C}$

**MECHANICAL DIMENSIONS: In Inches / mm**


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

**Fig. 424**

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