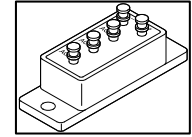


TECHNICAL DATA
DATA SHEET 5033, REV. -



THREE PHASE FULL WAVE RECTIFIER ASSEMBLY WITH FUSES

DESCRIPTION: 600, 800, or 1000 VOLT, 40 AMP, 5000 NS 3-PHASE FULL WAVE RECTIFIER ASSEMBLY WITH FUSES IN EACH DC LEG.

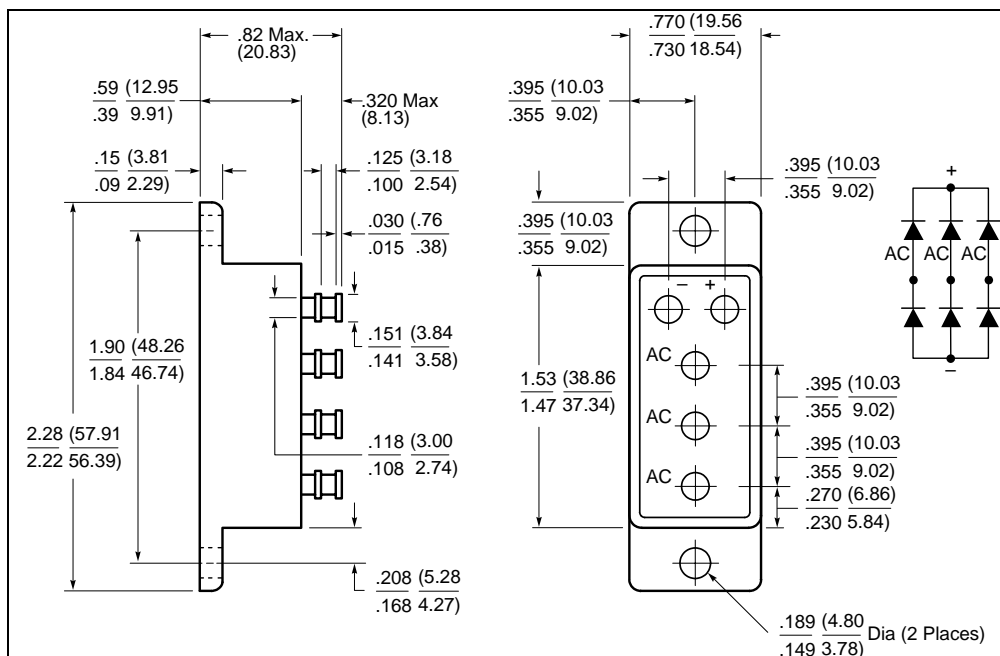
FEATURE: A Dielectric Withstanding Voltage test will be performed with the metal case of the assembly connected to ground and all four terminals connected to the high potential side of a DC power supply or scope display test. Voltage applied shall be 2800 Vdc and held for 10 seconds.

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

RATING	SYMBOL	MIN	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG) F483GH F483HH F483IH	PIV		600 800 1000	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) ($I_f = 39\text{A dc}$)	V_f		1.2	Volts
MAXIMUM DC OUTPUT CURRENT $(T_C = 55\text{ }^\circ\text{C})$ $(T_C = 100\text{ }^\circ\text{C})$	I_o		40 21	Amps Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3\text{ ms}$ Single Half Cycle Sine Wave	I_{FSM}		275	Amps
Fusing Current (I_{FUSE}) $T_A = 25\text{ }^\circ\text{C}$		310	390	Amps
MAXIMUM REVERSE RECOVERY TIME $(I_f = 0.5\text{A}, I_r = 1.0\text{A}, I_{rr} = 0.25\text{A})$	t_{rr}		5000	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		10 200	μA μA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{\theta JC}$.85	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	$T_{J, stg}$	-55	+ 150	$^\circ\text{C}$

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MECHANICAL DIMENSIONS: In Inches / mm



*Case--black anodized. Potting surface—uncontrolled

Fig. 424

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