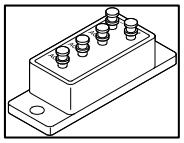
TECHNICAL DATA
DATA SHEET 5033, REV. -



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 CHARACTRISTICS ALL RATINGS ARE AT T_C = 25 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 = 39A dc)	V_f		1.2	Volts
MAXIMUM DC OUTPUT CURRENT (T_C = 55 ^{O}C) (T_C = 100 ^{O}C)	I_O		40 21	Amps Amps
PEAK SINGLE CYCLE SURGE CURRENT t_p=8.3 ms Single Half Cycle Sine Wave	I_{FSM}		275	Amps
Fusing Current (I_{FUSE}) T_A = 25 ^{o}C		310	390	Amps
MAXIMUM REVERSE RECOVERY TIME (I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A)	t_{rr}		5000	ns
MAXIMUM REVERSE CURRENT I_r @ PIV (PER LEG) (T_C = 25 ^{O}C) T_C = 100 ^{O}C)	I_r		10 200	μA μA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{\theta JC}$		.85	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	$T_{J, stg}$	-55	+ 150	°C

SENSITRON

TECHNICAL DATA
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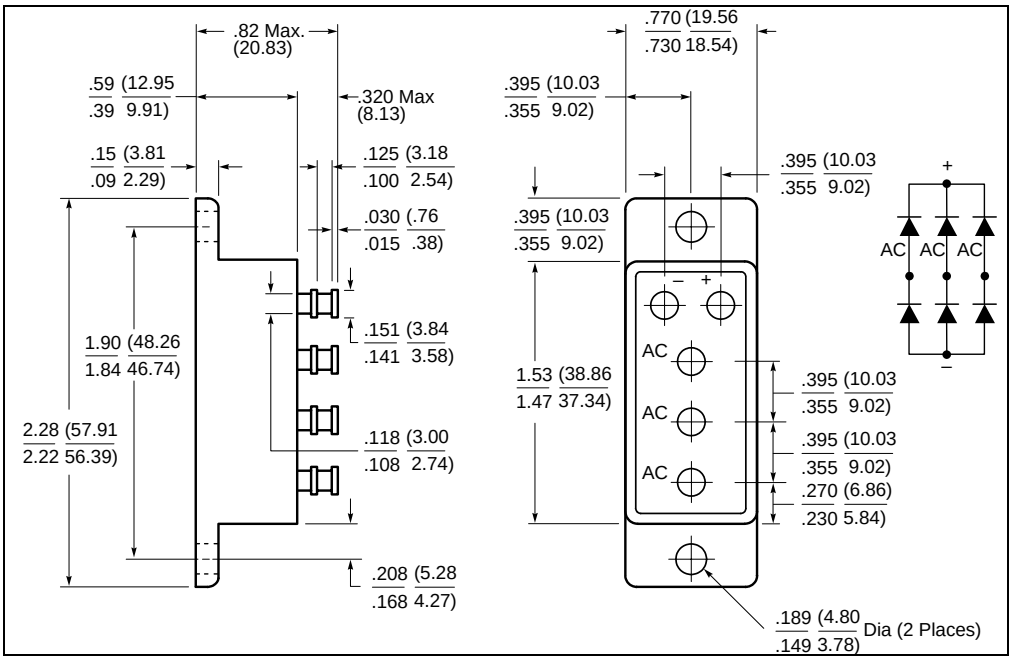
MECHANICAL DIMENSIONS: In Inches / mm



*Case--black anodized. Potting surface—uncontrolled

Fig. 424