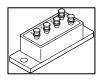
F483GH F483HH F483IH

TECHNICAL DATA DATA SHEET 5033, REV. -

THREE PHASE FULL WAVE RECTIFIER ASSEMBLY WITH FUSES



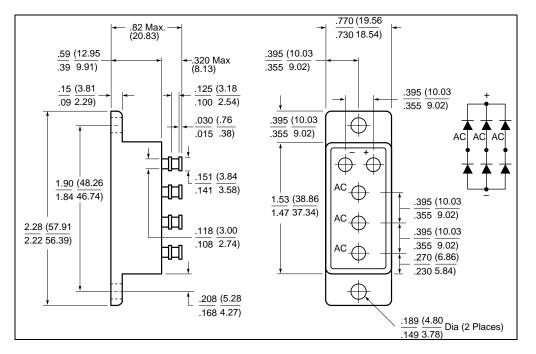
DESCRIPTION: 600, 800, or 1000 VOLT, 40 AMP, 5000 NS 3-PHASE FULL WAVE RECTIFIER ASSEMBLY WITH FUSES IN EACH DC LEG.

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) | | | | | Volts |
| F483GH | | PIV | | 600 | |
| F483HH | | | | 800 | |
| F483IH | | | | 1000 | |
| MAXIMUM FORWARD VOLTAGE DROP (PER LEG) (I_f = 39A dc) | | V _f | | 1.2 | Volts |
| MAXIMUM DC OUTPUT CURRENT | $(T_{\rm C} = 55 {}^{\rm O}{\rm C})$ | I _o | | 40 | Amps |
| | $(T_{\rm C} = 100 \ {}^{\rm O}{\rm C})$ | | | 21 | Amps |
| PEAK SINGLE CYCLE SURGE CURRENT t_p =8.3 ms Single Half Cycle Sine Wave | | I _{FSM} | | 275 | Amps |
| Fusing Current (I_{FUSE}) $T_A = 25 ^{\circ}C$ | | | 310 | 390 | Amps |
| MAXIMUM REVERSE RECOVERY TIME | | t _{rr} | | 5000 | ns |
| $(I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A)$ | | | | | |
| MAXIMUM REVERSE CURRENT Ir @ PIV (PER LEG) | (T _c = 25 ^o C) | l _r | | 10 | μA |
| | $T_{\rm C} = 100 \ {}^{\rm O}{\rm C}$) | | | 200 | μΑ |
| MAXIMUM THERMAL RESISTANCE (PER LEG) | | $R_{	ext{	heta}JC}$ | | .85 | °C/W |
| MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE | | T _{J, stg} | -55 | + 150 | °C |

SENSITRON TECHNICAL DATA DATA SHEET 5033, -



MECHANICAL DIMENSIONS: In Inches / mm

*Case--black anodized. Potting surface—uncontrolled

<u>Fig. 424</u>

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