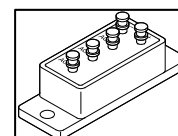


SENSITRON

SEMICONDUCTOR

TECHNICAL DATA
DATA SHEET 713, REV. B

THREE PHASE FULL WAVE RECTIFIER ASSEMBLY



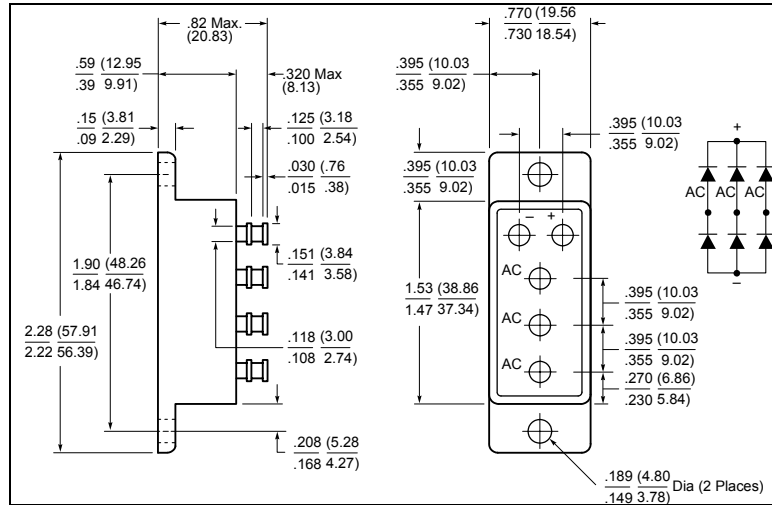
DESCRIPTION: 600 VOLT, 37 AMP, 150 NS 3-PHASE FULL WAVE RECTIFIER ASSEMBLY.

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	600	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) ($I_f = 10\text{ AMPS}$)	V_f	1.35	Volts
MAXIMUM DC OUTPUT CURRENT ($T_C = 55\text{ }^\circ\text{C}$) ($T_C = 100\text{ }^\circ\text{C}$)	I_o	37 19.5	Amps 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}	200	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)	$R_{\theta JC}$	0.85	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	$T_{J, stg}$	-55 to + 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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