

**THREE PHASE FULL WAVE
BRIDGE RECTIFIER ASSEMBLY**

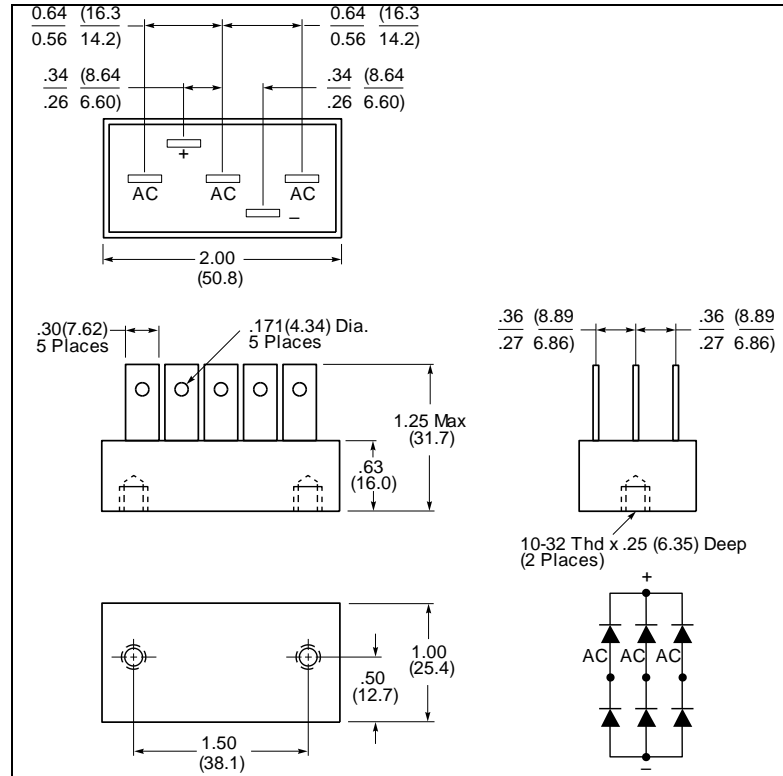
DESCRIPTION: 600 /400VOLT, 50 AMP, THREE PHASE BRIDGE RECTIFIER ASSEMBLY.

MAX. RATINGS / ELECTRICAL CHARACTERISTICS

All ratings are at $T_A = 25^\circ\text{C}$ unless otherwise specified.

RATING	CONDITIONS	MIN	MAX	UNIT
Peak Inverse Voltage (PIV)	S50A360FR S50A340FR	-	600 400	Vdc
Average DC Output Current ($T_C = \text{Case Temp}$) (I_o)	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$ $T_C = 125^\circ\text{C}$	-	50 33 25	Amps
Average DC Output Current Ambient Temp. (no heat sink) (I_o)	$T_A = 25^\circ\text{C}$ $T_A = 55^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	12.5 10 6.0	Amps
Peak Single Cycle Surge Current (I_{FSM})	$t_p = 8.3$ ms Single Half Cycle Sine Wave, Superimposed on Rated Load	-	240	Amps(pk)
Peak Recurring Surge Current (I_{FRM})	$T_A = 25^\circ\text{C}$	-	150	Amps
Operating and Storage Temp. (T_{op} & T_{stg})	-	-55	+150	$^\circ\text{C}$
Maximum Forward Voltage (V_f)	$I_f = 10\text{A}$ (300 μsec pulse, duty cycle < 2%)	-	1.2	Volts
Maximum Instantaneous Reverse Current at Rated (PIV)	$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	9.0 180	μAmps
Reverse Recovery Time (t_{rr})	$I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$ S50A360FR, S50A340FR S50A360, S50A340	-	195 5000	nsec
Thermal Resistance (θ_{JL})	-	-	0.9	$^\circ\text{C/W}$

MECHANICAL DIMENSIONS: In inches / mm



Note: Case finish - Black Anodized

Fig. 412

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