

TECHNICAL DATA
DATA SHEET 2011, REV. -

**THREE PHASE FULL WAVE
BRIDGE RECTIFIER ASSEMBLY**

DESCRIPTION: A 200/400/600/800/1000 VOLT, 5.5 AMP, 5000 NANOSECOND 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	TYP	MAX	UNIT
Peak Inverse Voltage (PIV) S6A320 S6A340 S6A360 S6A380 S6A3100	-	-	-	200 400 600 800 1000	Vdc
Average DC Output Current (I_o) ($T_C = \text{Case Temp}$)	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$ $T_C = 125^\circ\text{C}$	-	-	5.0 4.0 2.75	Amps
Average DC Output Current Ambient Temp. (no heat sink) (I_o)	$T_A = 25^\circ\text{C}$ $T_A = 55^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	-	2.5 2.0 1.3	Amps
Peak Single Cycle Surge Current (I_{FSM})	$t_p = 8.3 \text{ ms}$ Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	50	Amps(pk)
Peak Recurring Surge Current (I_{FRM})	$T_A = 25^\circ\text{C}$	-	-	15	Amps
Operating and Storage Temp. (T_{op} & T_{stg})	-	-55	-	+150	$^\circ\text{C}$
Maximum Forward Voltage (V_f)	$I_f = 3.0\text{A}$ (300 μsec pulse, duty cycle < 2%)	-	-	1.4	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	-	2.0 50	μAmps
Reverse Recovery Time (t_{rr})	$I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$	-	-	5000	nsec
Thermal Resistance (θ_{JL})	-	-	-	4.0	$^\circ\text{C/W}$

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MECHANICAL DIMENSIONS: In Inches / mm

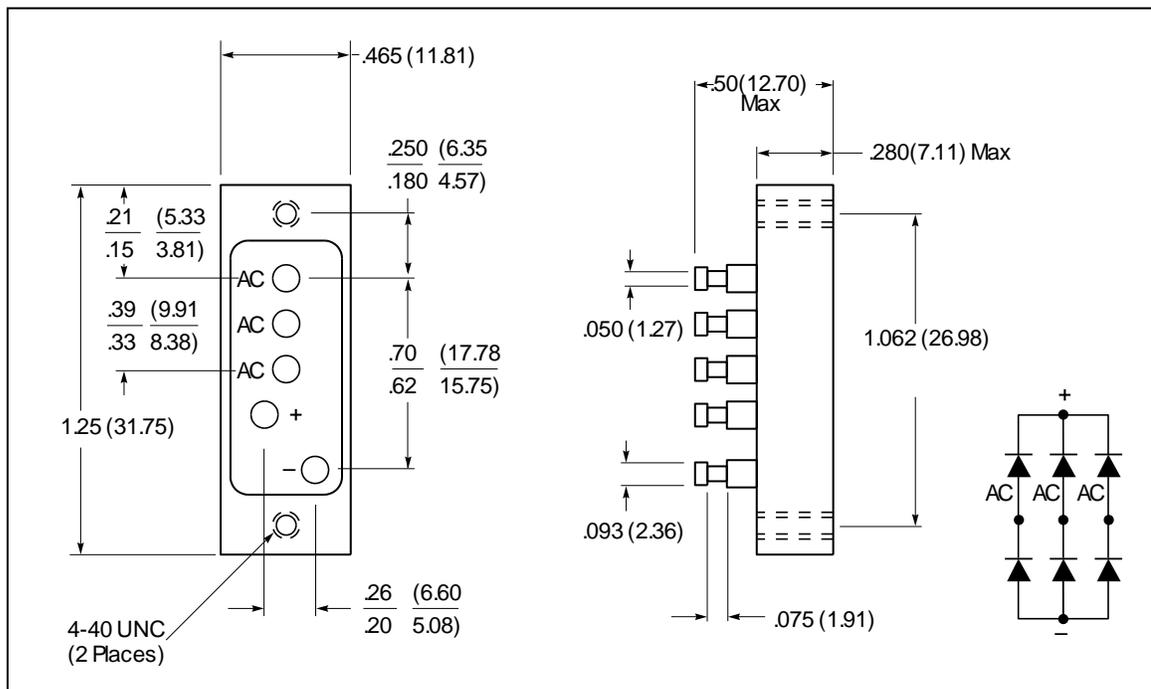


FIG. 409

Note: Case finish - Black Anodized

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