

TECHNICAL DATA
DATA SHEET 392, REV -**THREE PHASE FULL WAVE
BRIDGE RECTIFIER ASSEMBLY****DESCRIPTION: 200, 400, 600 VOLT, 20 AMP, 2000 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)	-	-	-	200 400 600	Vdc
Average DC Output Current (I_o)	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$	-	-	30 20	Amps
Peak Single Cycle Surge Current (I_{fsm})	$t_p = 8.3$ ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	100	Amps(pk)
Operating and Storage Temp. (T_{op} & T_{stg})	-	-55	-	+150	$^\circ\text{C}$
Maximum Forward Voltage (V_f)	$I_f = 9.0\text{A}$ (300 μsec pulse, duty cycle < 2%)	-	-	1.3	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	-	5.0 100	μAmps
Reverse Recovery Time (t_{rr})	$I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$	-	-	2000	nsec
Thermal Resistance (θ_{JL})	-	-	-	1.25	$^\circ\text{C/W}$

Technical drawing of the AC/DC converter showing top, side, and terminal views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: 1.50 (38.1)
- Internal width: 1.375 (34.925)
- Mounting holes: 2-56 UNC 4 Places Min 6 Full Threads
- Terminal spacing: .070 (1.778)
- Terminal width: .26 (6.60)
- Terminal pitch: .096 (2.438)
- Terminal height: .26 Max. (6.60)

Side View Dimensions:

- Overall height: .87 (22.09)
- Top flange thickness: .31 (7.87)
- Mounting hole diameter: .750 (19.05)
- Terminal height: .095 (2.413)
- Terminal pitch: .17 (4.92)

Terminal View:

- Insulated Terminal 5 Places
- Terminal markings: -, AC, AC, AC, +

1.52 (38.61)
1.48 (37.59)

1.385 (35.18)
1.365 (34.67)

2-56 UNC 4 Places
Min 6 Full Threads

.33 (8.38)
.29 (7.37)

.89 (22.61)
.85 (21.59)

.760 (19.30)
.740 (18.80)

.50 (12.7)Min

.100 (2.54)Max

.053 (1.35)
.047 (1.19) Dia

.270 (6.86)
.250 (6.35)

AC AC AC +

AC AC AC

.19 (4.83)
.15 (3.81)

+

AC AC AC

-

Note: Case finish - Black Anodized

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