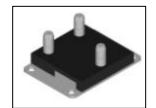


TECHNICAL DATA DATA SHEET 794, REV, -

BRIDGE RECTIFIER ASSEMBLY



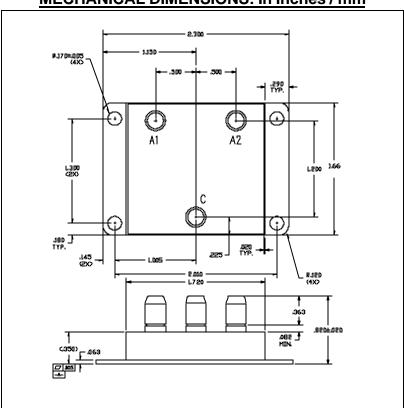
- High current up to 120 Amps
- · Various voltages up to 1000 Volts
- · Low thermal resistance
- · Lowest trr available is 30nsec.

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^{\circ}$ C unless otherwise specified.

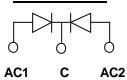
RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV)	-	-	-	800	Vdc
Average DC Output Current (T_C = Case Temp) (I_o)	$T_C = 55$ °C $T_C = 100$ °C	-	-	160	Amps
Peak Single Cycle Surge Current (I _{FSM})	t _p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	200	Amps(pk)
Peak Recurring Surge Current (non-repetitive (I _{FRM})	T _A = 25 °C	-	-	500	Amps
Storage Temp. (T _{stg})	-	-55	-	175	°C
Operating Temp.(T _{op})	-	-55		100	
Maximum Forward Voltage Per Leg (V _f)	l _f = _Adc (300 μsec pulse, duty cycle < 2%)	-	-		Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T _A = 25° C T _A = 100° C	-	-	100	μAmps
Reverse Recovery Time (t _π)	$I_f = 0.5A$, $I_r = 1.0A$; $I_{rr} = 0.25A$ Measured on discrete rectifiers prior to assembly.	-	-	120	nsec
Max. Thermal Resistance (R _{UC})	-	-	-	0.25	°C/W

SENSITRON TECHNICAL DATA DATA SHEET 794, REV. -

MECHANICAL DIMENSIONS: In Inches / mm



SCHEMATIC





TECHNICAL DATA

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