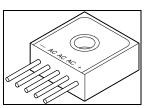


TECHNICAL DATA DATA SHEET 234, REV -

# THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

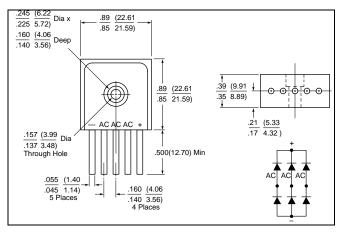


## DESCRIPTION: A 600 VOLT, 12 AMP, 30 NANOSECOND THREE PHASE BRIDGE RECTIFIER ASSEMBLY.

**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	-	-	-	600	Vdc
(PIV)					
Average DC Output Current ( $T_c$ = Case Temp) ( $I_o$ )	$T_{\rm C} = 55 ^{\circ}{\rm C}$	-	-	12	Amps
	$T_{\rm C} = 100 {}^{\rm o}{\rm C}$			8.0	
Peak Single Cycle Surge Current (I <sub>FSM</sub> )	t <sub>p</sub> = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	60	Amps(pk)
Peak Recurring Surge Current (I <sub>FRM</sub> )	$T_A = 25 ^{\circ}C$	-	-	30	Amps
Operating and Storage Temp. (T <sub>op</sub> & T <sub>stg</sub> )	-	-55	-	+150	°C
Maximum Forward Voltage Per Leg (V <sub>f</sub> )	l <sub>f</sub> = 2.0Adc (300 μsec pulse, duty cycle < 2%)	-	-	2.5	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^\circ C$	-	-	10	μAmps
	$T_A = 100^\circ \text{ C}$			100	
Reverse Recovery Time (t <sub>rr</sub> )	$I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A$	-	-	30	nsec
	Measured on discrete rectifiers prior to assembly.				
Max. Thermal Resistance	-	-	-	1.25	°C/W
(R <sub>0JC</sub> )					

### SENSITRON TECHNICAL DATA DATA SHEET 234, REV -



## **MECHANICAL DIMENSIONS: In Inches / mm**

Fig. 455

Note: Case finish - Black Anodized

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