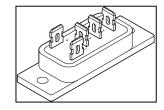


**TECHNICAL DATA DATA SHEET 1175, REV -**

# THREE PHASE FULL WAVE **BRIDGE RECTIFIER ASSEMBLY**



DESCRIPTION: A 200/400/600 VOLT, 18 AMP, 70 NANOSECOND THREE PHASE BRIDGE RECTIFIER ASSEMBLY.

## **MAXIMUM RATINGS**

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

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RATING	CONDITIONS	MIN	TYP	MAX	UNIT	
Peak Inverse Voltage	-	-	-		Vdc	
(PIV)				200		
S25A320S7 S25A340S7				400		
S25A360S7				600		
Average DC Output Current ( $T_C$ = Case Temp) ( $I_o$ )	$T_{C} = 55 ^{\circ}\text{C}$ $T_{C} = 100 ^{\circ}\text{C}$ $T_{C} = 125 ^{\circ}\text{C}$	-	1	18 13.5 9.0	Amps	
Average DC Output	$T_A = 25$ °C $T_A = 55$ °C	-	-	4.5	Amps	
Current Ambient Temp.  (no heat sink) (I <sub>o</sub> )	$T_A = 55 \text{ C}$ $T_A = 100 \text{ C}$			3.6 2.3		
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	-	-	100	Amps(pk)	
Thermal Resistance (θ <sub>JL</sub> )	-	-	-	1.5	°C/W	
Operating and Storage Temp. (T <sub>op</sub> & T <sub>stg</sub> )	-	-55	-	+150	°C	

### **ELECTRICAL CHARACTERISTICS**

CHARACTERISTICS	CONDITIONS	MIN	TYP	MAX	UNIT
Maximum Forward Voltage (V <sub>f</sub> )	$I_{\rm f}$ = 9A (300 µsec pulse, duty cycle < 2%)	-	-	1.75	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T <sub>A</sub> = 25° C	-	-	5.0	μAmps
	T <sub>A</sub> = 100° C			100	
Reverse Recovery Time (t <sub>rr</sub> )	$I_f = 0.5A, I_r = 1.0A, I_{rr}$ = 0.25A	-	-	70	nsec

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

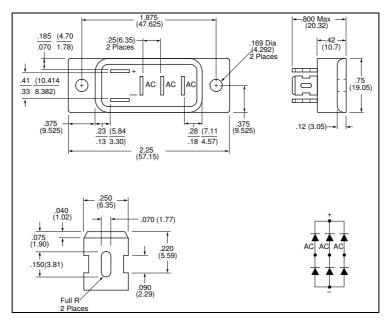


FIG. 404

Note: Case finish - Black Anodized



### **TECHNICAL DATA**

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