

TECHNICAL DATA DATA SHEET 5183, REV -

THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

DESCRIPTION: 1000 VOLT, 20 AMP, 250 NANOSECOND THREE PHASE BRIDGE RECTIFIER ASSEMBLY.

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

MAX. NATINGS/ ELECTRICAL CHARACTERISTICS		7 mraing	All fatings are at TA = 25 C diffess officialise specified.			
RATING	CONDITIONS	MIN	TYP	MAX	UNIT	
Peak Inverse Voltage (PIV)	-	-	-	1000	Vdc	
Average DC Output Current (T _C = Case Temp) (I _o)	$T_C = 55$ °C	-	-	20	Amps	
	$T_C = 100$ °C			15		
Average DC Output Current Ambient Temp. (no heat sink) (I _o)	$T_A = 25$ °C	-	-	5.0	Amps	
	$T_A = 55$ $^{\circ}$ C			3.5		
	$T_A = 100^{\circ}C$			2.0		
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 _{stq})	-	-55	-	+150	°C	
Maximum Forward Voltage (V _f)	I _f = 9.0A (300 μsec pulse, duty cycle < 2%)	1	-	1.75	Volts	
Maximum Instantaneous Reverse Current At Rated (PIV)	T _A = 25° C	-	-	5.0	μAmps	
	T _A = 100° C			100		
Reverse Recovery Time (t _{rr})	$I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A$	-	-	250	nsec	
Thermal Resistance (θ _{JL})	-	-	-	1.50	°C/W	

Note: Add a suffix **S** to the part number for **JAN-S Level Screening**.

MECHANICAL DIMENSIONS: In Inches / mm

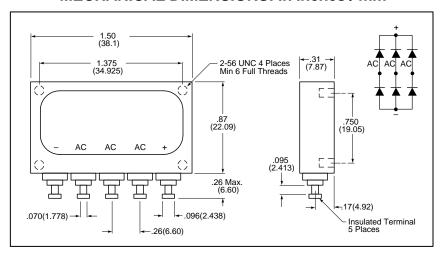


FIG. 406

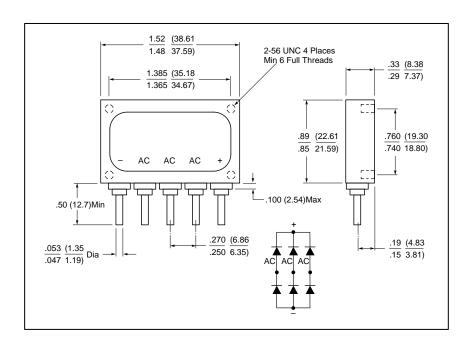


FIG. 406L

Note: Case finish - Black Anodized

SENSITRON TECHNICAL DATA DATA SHEET 5183, REV -

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