

TECHNICAL DATA DATA SHEET 316, REV -

THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

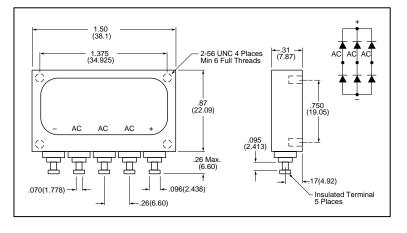
DESCRIPTION: 1000 VOLT, 30 AMP, 5000 NANOSECOND THREE PHASE BRIDGE RECTIFIER ASSEMBLY.

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV)	-	-	-	1000	Vdc
Average DC Output Current (T_c = Case Temp) (I_o)	$T_{\rm C} = 55 ^{\rm o}{\rm C}$	-	-	30	Amps
	$T_{\rm C} = 100 {}^{\rm o}{\rm C}$			22	
	T _C = 125 °C			15	
Average DC Output Current Ambient Temp. (no heat sink) (I _o)	$T_A = 25 ^{\circ}C$	-	-	7.0	Amps
	$T_A = 55^{\circ}c$			5.5	
	$T_{A} = 100^{\circ} c$			3.5	
Peak Single Cycle Surge Current (I _{FSM})	t _p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	150	Amps(pk)
Peak Recurring Surge Current (I _{FRM})	$T_A = 25 ^{\circ}C$	-	-	75	Amps
Operating and Storage Temp. (T _{op} & T _{stg})	-	-55	-	+150	°C
Maximum Forward Voltage (V _f)	l _f = 9.0A (300 μsec pulse, duty cycle < 2%)	-	-	1.4	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^\circ C$	-	-	5.0	μAmps
	$T_A = 100^\circ C$			100	
Reverse Recovery Time (t _{rr})	$I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A$	-	-	5000	nsec
Thermal Resistance (θ_{JL})	-	-	-	1.25	°C/W

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

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MECHANICAL DIMENSIONS: In Inches / mm

FIG. 406

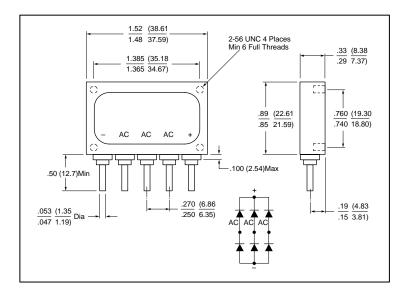


FIG. 406L

Note: Case finish - Black Anodized



TECHNICAL DATA

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