

TECHNICAL DATA DATA SHEET 1178, REV -

THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

DESCRIPTION: A 50/100/150 VOLT, 9.0 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 (PIV)	-	-	-	50	Vdc
				100	
				150	
Average DC Output Current (T _C = Case Temp) (I _o)	$T_C = 55$ °C	-	-	9.0	Amps
	$T_C = 100$ °C			6.5	
	T _C = 125 °C			4.0	
Average DC Output Current Ambient Temp. (no heat sink) (I _o)	T _A = 25 °C	-	-	2.5	Amps
	$T_A = 55^{\circ}c$			2.0	
	$T_A = 100^{\circ} c$			1.3	
Peak Single Cycle Surge Current (I _{FSM})	t _p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	60	Amps(pk)
Peak Recurring Surge Current (I _{FRM})	$T_A = 25$ °C	-	-	17.5	Amps
Operating and Storage Temp. (T _{op} & T _{stq})	-	-55	-	+150	°C
Maximum Forward Voltage (V _f)	I _f = 3.0A (300 μsec pulse, duty cycle < 2%)	-	-	1.2	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})	$I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A$	-	-	30	nsec
Thermal Resistance (θ _{JL})	-	-	-	4.0	°C/W

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MECHANICAL DIMENSIONS: In Inches / mm

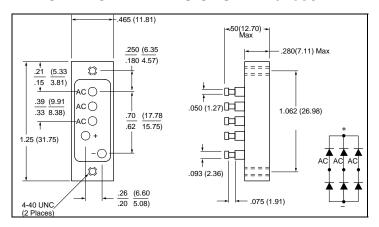


FIG. 409

Note: Case finish - Black Anodized

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