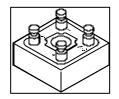
TECHNICAL DATA DATA SHEET 4030, REV. -

SUPER FAST SINGLE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY



DESCRIPTION: A 600-VOLT, 9 AMP, 70 NANOSECOND SINGLE 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)	-	ı	-	600	Vdc
Average DC Output Current (I _o)	$T_C = 55$ °C $T_C = 100$ °C	ı	-	9 6.75	Amps
Average DC Output Current Ambient Temp. (no heat sink) (I _o)	$T_A = 25 ^{\circ}\text{C}$ $T_A = 55 ^{\circ}\text{c}$ $T_A = 100 ^{\circ}\text{c}$	-	-	3.5 2.5 2.0	Amps
Peak Single Cycle Surge Current (I _{FSM})	t _p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	100	Amps(pk)
Peak Recurring Surge Current (I _{FRM})	$T_C = 25$ °C	ı	-	30	Amps
Operating and Storage Temp. (Top & Tstg)	-	-55	-	+150	°C
Maximum Forward Voltage per leg (V _f)	I _f = 9.0A (300 μsec pulse, duty cycle < 2%)	-	-	1.75	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T _C = 25° C T _C = 100° C	-	-	20 200	μAmps
Reverse Recovery Time (t _{rr})	$I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A$	-	-	70	nsec
Thermal Resistance (θ_{JC})	-	-	-	2.0	°C/W

[•] World Wide Web - http://www.sensitron.com • E-Mail Address - sales@sensitron.com •

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MECHANICAL DIMENSIONS: In Inches / mm

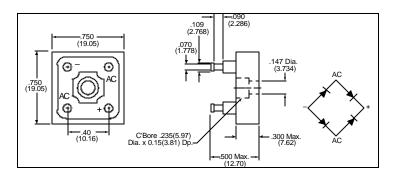


FIG. 401

Note: Case finish - Black Anodized



TECHNICAL DATA

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