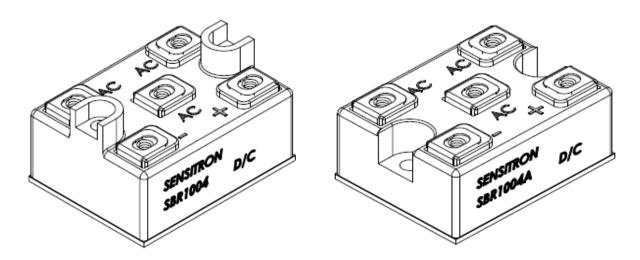


TECHNICAL DATA DATA SHEET 5380, REV. B.1

THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY



DESCRIPTION: 1000 V, 100 A 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
Non-Repetitive Peak Inverse Voltage (PIV)	$T_C = 25$ °C	-	-	1200	Vdc
Repetitive Peak Inverse Voltage (PIV)	$T_C = -55$ °C to 150 °C	-	-	1000	Vdc
Average DC Output Current	$T_C = 55$ °C	-	-	190	Α
$(T_C = Case Temp) (I_o)$	T _C = 100 °C			100	
Peak Single Cycle Surge Current (I _{FSM})	t_p = 8.3 ms Single Sine wave T_C = 25 °C	1500	-	-	А
Single Cycle Energy Rating	t_p = 8.3 ms Single Sine wave T_C = 25 °C	-	9300	1	A ² s
Operating and Storage Temp (T _{op} & T _{stq})	-	-55	-	+150	°C
Junction Temp (T _J)	-	-55	-	+190	°C
Maximum Forward Voltage (V _f) (300 μsec pulse, duty cycle < 2%)	$T_C = 25$ °C, $I_f = 100$ A	-	-	1.20	V
	$T_C = 125$ °C, $I_f = 100$ A			1.10	
Maximum Instantaneous Reverse Current At 1000V	T _C = 25° C	-	-	20	μА
	T _C = 100° C			4000	

SENSITRON

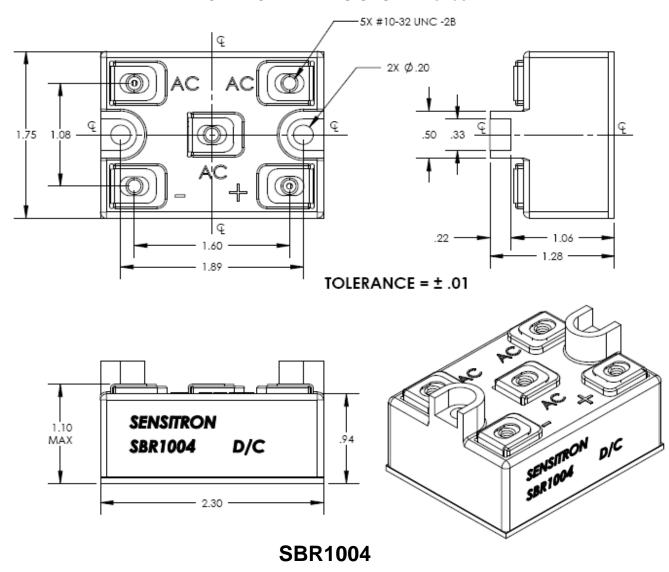
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Mechanical / Thermal Characteristics:

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Isolation Voltage	All Terminals - Base Plate	-	-	1500	VRMS
Mounting Torque	-	-	-	30	In-lb.
Weight	-	-	-	155	gms
Thermal Resistance (θ _{JL})	Per Diode	-	-	0.85	°C/W

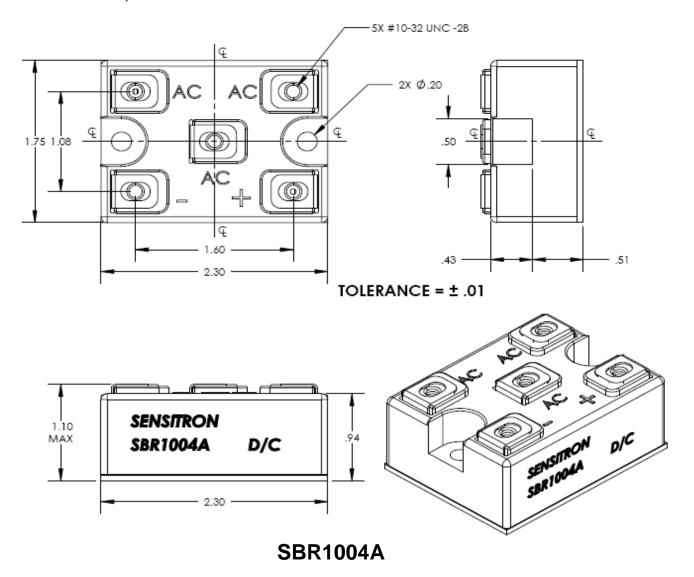
Note: Add a suffix **S** to the part number for S-100 Screening.

MECHANICAL DIMENSIONS: In Inches



SENSITRON

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