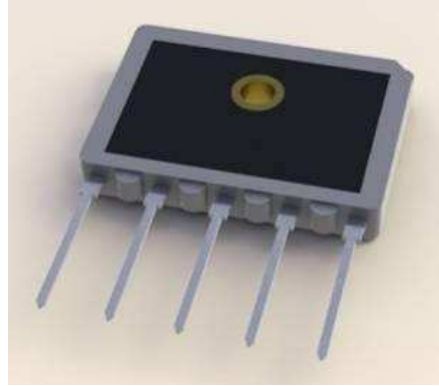


TECHNICAL DATA
DATA SHEET 5375, REV. -

**THREE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY
WITH AISiC TECHNOLOGY**



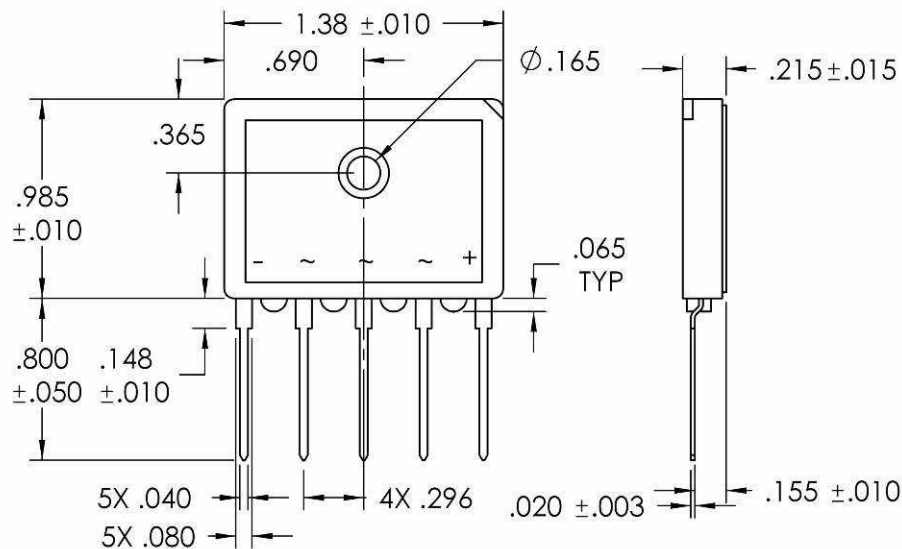
DESCRIPTION: 1200 V, 45 A, 500 Nanosecond THREE PHASE BRIDGE RECTIFIER ASSEMBLY
MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^\circ\text{C}$ unless otherwise specified.

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV)	-	-	-	1200	Vdc
Average DC Output Current (I_o)	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$ $T_C = 125^\circ\text{C}$	-	-	45 28 16	A
Average DC Output Current Ambient Temp. (no heat sink) (I_o)	$T_A = 25^\circ\text{C}$ $T_A = 55^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	-	8.0 5.0 2.5	A
Peak Single Cycle Surge Current (I_{FSM})	$t_p = 8.3$ ms Single Half Cycle Sine Wave	-	-	300	A(pk)
Operating and Storage Temp. (T_{op} & T_{stg})	-	-55	-	+150	$^\circ\text{C}$
Maximum Forward Voltage (V_f) (300 μsec pulse, duty cycle < 2%)	$I_f = 9\text{A}$ $I_f = 45\text{A}$	-	-	1.40 1.90	V
Maximum Instantaneous Reverse Current At Rated PIV	$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	-	50 500	μA
Reverse Recovery Time (t_{rr})	$I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} =$ 0.25A	-	-	500	nsec
Thermal Resistance (θ_{JL}) Per Leg	-	-	-	2.8	$^\circ\text{C/W}$
Weight	-	-	-	15	gms

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

SENSITRON
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MECHANICAL DIMENSIONS: In Inches



TOLERANCE = $\pm .005$ UNLESS OTHERWISE NOTED

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