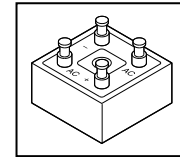


SENSITRON **SEMICONDUCTOR**

S469-01FR
S469-02FR
S469-03FR

TECHNICAL DATA
DATASHEET 6008, REV. -



SINGLE PHASE FAST FULL WAVE BRIDGE RECTIFIER ASSEMBLY

DESCRIPTION: A 10A, 5000 NANOSECOND SINGLE PHASE FAST BRIDGE RECTIFIER ASSEMBLY. AVAILABLE IN 200V, 400V, 600V.

FEATURE: A Dielectric Withstanding Voltage test will be performed with the metal case of the assembly connected to ground and all four terminals connected to the high potential side of a DC power supply or scope display test. Voltage applied shall be 2800 Vdc and held for 10 seconds.

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)	S469-01FR S469-02FR S469-03FR	-	-	200 400 600	Vdc
Average DC Output Current (I_o) (I_o)	$T_C = 55^\circ\text{C}$ $T_C = 100^\circ\text{C}$ $T_C = 125^\circ\text{C}$	-	-	9.0 5.0 2.5	Amps
Peak Single Cycle Surge Current (I_{FSM}) Rated at $T_A = 55^\circ\text{C}$	$t_p = 8.3$ ms Single Half Cycle Sine Wave	-	-	80	Amps(pk)
Maximum Forward Voltage Per Leg (V_f)	$I_f = 9$ A dc (300 μsec pulse, duty cycle < 2%)	-	-	1.5	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	-	-	2 50	μAmps
Reverse Recovery Time (t_{rr})	$I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$	-	-	500	nsec
Thermal response	$R_{\theta JC}$	-	-	2.0	$^\circ\text{C/W}$
Maximum operating and storage temperature range	$T_{J, stg}$	-55		+150	$^\circ\text{C}$

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MECHANICAL DIMENSIONS: In Inches / mm

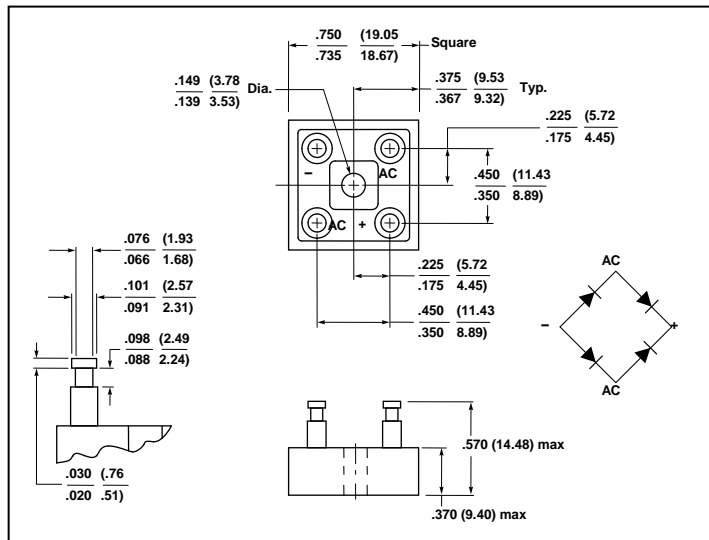


Fig. 469

Note: Case finish - Black Anodized

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