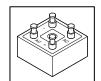
TECHNICAL DATA DATA SHEET 4306, REV. B



SINGLE PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLY

DESCRIPTION: A 10A, 5000 NANOSECOND SINGLE PHASE BRIDGE RECTIFIER ASSEMBLY. AVAILABLE IN 200V, 400V, 600V, 800V AND 1000V.

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 $T_A = 25^{\circ}$ C unless otherwise specified.

WAX. RATINGS / ELECTRICAL CHARACTERISTICS			All ratings are at $T_A = 25$ C unless otherwise specified.			
RATING	CONDITIONS	MIN	TYP	MAX	UNIT	
Peak Inverse Voltage (PIV)	S469-01	-	-	200	Vdc	
	S469-02			400		
	S469-03			600		
	S469-04			800		
	S469-05			1000		
Average DC Output Current (T _C = Case Temp) (I _o)	$T_C = 55$ $^{\circ}C$	-	-	10	Amps	
	T _C = 100 °C			6.0		
	T _C = 125 °C			3.0		
Peak Single Cycle Surge Current (I _{FSM}) Rated at T _A = 55°C	t _p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	1	-	100	Amps(pk)	
Maximum Forward Voltage Per Leg (V _f)	I _f = 15.7 Adc (300 μsec pulse, duty cycle < 2%)	-	-	1.35	Volts	
Maximum Instantaneous Reverse Current At Rated (PIV)	T _A = 25° C	-	-	2.0	μAmps	
	T _A = 100° C			125		
Reverse Recovery Time (t _{rr})	$I_f = 0.5A, I_r = 1.0A,$ $I_{rr} = 0.25A$	-	-	5000	nsec	
Thermal response	$R_{ heta JC}$	-	-	1.5	°C/W	
Maximum operating and storage temperature range	$T_{J,stg}$	-55		+150	°C	

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MECHANICAL DIMENSIONS: In Inches / mm

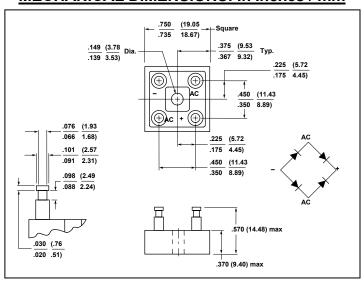


Fig. 469

Note: Case finish - Black Anodized

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