



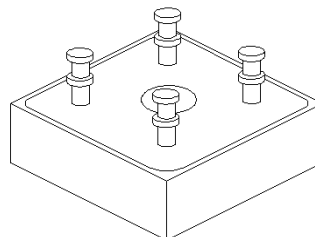
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North Hampton, NH 03862-2448
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Rectifier Assembly

10 Amp Single Phase Bridge
469-1, 469-2, 469-3, 469-4, 469-5

FEATURES

- PIV: from 200 to 1000V
- Current Rating: 10A
- Glass Passivated Diodes
- Controlled Avalanche Characteristics
- Surge Rating of 100A
- Electrically Isolated Aluminum Case
- MIL-PRF-19500 Similarity



Feature: A Dielectric Withstanding Voltage Test will be performed with the metal case connected to ground and all four terminals connected to 2800Vdc for 10 seconds.

ABSOLUTE MAXIMUM RATINGS

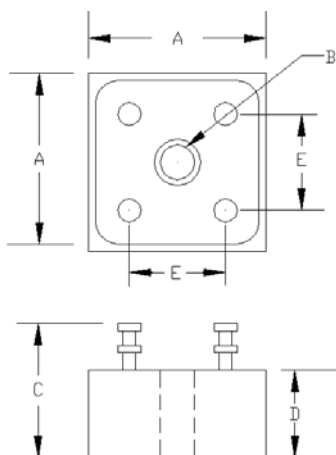
PIV.....	200 to 1000V
Max Average DC Output Current ($T_C=55^\circ\text{C}$).....	10Amps
($T_C=100^\circ\text{C}$).....	6Amps
Non Repetitive Sinusoidal Surge (8.3mS, $T_C=55^\circ\text{C}$).....	100 Amps
Storage and Operating Temperature (T_C).....	-65°C to 150°C
Maximum Thermal Resistance (junction to ambient).....	25°C/W typical
(junction to case).....	5°C/W typical

ELECTRICAL CHARACTERISTICS

Device	PIV Per Leg	Max Forward Voltage Per Leg $I_{FM}=15.7\text{A}$	Max Reverse Leakage Current Per Leg		Max Reverse Recovery Time	Min Breakdown Voltage @50 μA
	Volt	Volt	μA		μS	Volt
		$T_C=+25^\circ\text{C}$	$T_C=+25^\circ\text{C}$	$T_C=+100^\circ\text{C}$	$T_A=+25^\circ\text{C}$	$T_C=+25^\circ\text{C}$
469-1	200	1.35*	2	125	2.0**	240
469-2	400					460
469-3	600					660
469-4	800					860
469-5	1000					1060

*PW = 8.3mS

** $I_F=0.5\text{A}$, $I_R=1.0\text{A}$, $I_{rec}=0.25\text{A}$, measured on discretes prior to assembly



DIMENSIONS		
INCHES		
	MIN	MAX
A	.735	.75
B	.139	.149
C	-	.57
D	-	.37
E	.35	.45

CASE:
6061-T6 Alum

FINISH:
Black Hard Anodize

BRANDING:
Manufacturer's Name
Manufacturer's Part Number

MARKING:

Alternate Current Input	Yellow
Cathode- Positive Output	Red
Anode- Negative Output	Grey

Specifications subject to change without notice to ensure a better product

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