20 STERN AVE. SPRINGFIELD, NEW JERSEY 07081 U.S.A. TELEPHONE: (973) 376-2922

(212) 227-6005

FAX: (973) 376-8960

RECTIFIER ASSEMBLIES

Single Phase Bridges, 10 Amp, Military Approved

JAN & JANTX 469-1 JAN & JANTX 469-2 JAN & JANTX 469-3

FEATURES

- Qualified to MIL-S-19500/469
- Current Rating: to 10A
- PIV: from 200 to 600V
- Surge Ratings of 100A
- Cnly Fused-in-Glass Diodes Used
- Controlled Avalanche Characteristics
- · Aluminum Heat Sink Case, Electrically Insulated

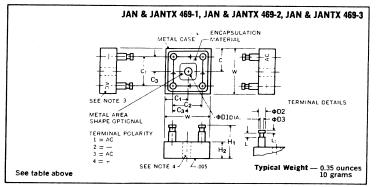
DESCRIPTION

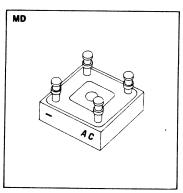
This series of military high-current single-phase bridge offer the utmost in reliability as required in military system designs. The TX series is assembled with diodes which have been subjected to 100% screening tests.

ABSOLUTE MAXIMUM RATINGS Peak Inverse Voltage	200 to 600V
Maximum Average D.C. Output Current	200 10 0001
@ $T_C = +55^{\circ}C$	10A
@ $T_{C} = +100^{\circ}C$	6A
Non-Repetitive Sinusoidal Surge (8.3ms)	
$@T_C = +55^{\circ}C$	100A
Operating and Storage Temperature Range, T	
Thermal Resistance Junction to Ambient	25°C/W
Junction to Case	

	Dimensions							
Ltr	INCHES		MILLIMETERS					
	MIN.	MAX.	MIN.	MAX.				
C:	.367	.375	9.32	9.53				
C ₂	.350	.450	8.89	11.43				
C ₁	.175	.225	4.45	5.72				
φDi	.139	.149	3.53	3.78				
φDz	.091	.101	2.31	2.57				
∂Dı	.066	.076	1.68	1.93				
Hi		.570		14.48				
H2		.370		9.40				
Lı	.088	.098	2.24	2.49				
L ₂	.020	.030	.51	.76				
w	.735	.750	18.67	19.05				

MECHANICAL SPECIFICATIONS





NOTES:

- 1. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
- Terminals shall be tinned.
 Polarity shall be marked on the bridge body adjacent to terminals. Terminal numbers are for reference and do not have to be marked on the bridge; however, terminal (1) shall be indicated by a mechanical index such as a line, flattened corner, etc., visible from the top (terminal surface) of the device.
- 4. Point at which T_C is read shall be in metal part of a case as shown on drawing.

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Electrical Specification (at 25°C unless noted)

Туре	PIV Per Leg	Minimum Reverse Breakdown Voltage Per Leg @ 50,,A	Maximum Forward Voltage Drop Per Leg*	Maximum Reverse Recovery Timet	Lea Cu	imum ikage rrent g @ PIV
	Volts	Volts		_{II} S	μA	μA
JAN & JANTX 469-1 JAN & JANTX 469-2 JAN & JANTX 469-3	200 400 600	240 460 660	1.35V @ 15.7A(pk)	2	2	125

*Maximum forward voltage drop is measured at a pulse width of 8.3ms.

†Measured in a reverse-recovery circuit switching from 0.5A forward to 1.9A reverse current recovering to 0.25A.

