

RECTIFIER ASSEMBLIES

High Voltage Stacks, 1 Amp to 5 Amp,
Military Approved

查询1N5600供应商

JAN 1N5597

JAN 1N5600

JAN 1N5603

3

FEATURES

- Qualified to MIL-S-19500/404A
- PIV: to 10kV
- Surge Ratings: to 200A
- Current Ratings: to 5A
- Only Fused-in-Glass Diodes Used
- Controlled Avalanche Characteristics
- Modular Package For Easy Stacking

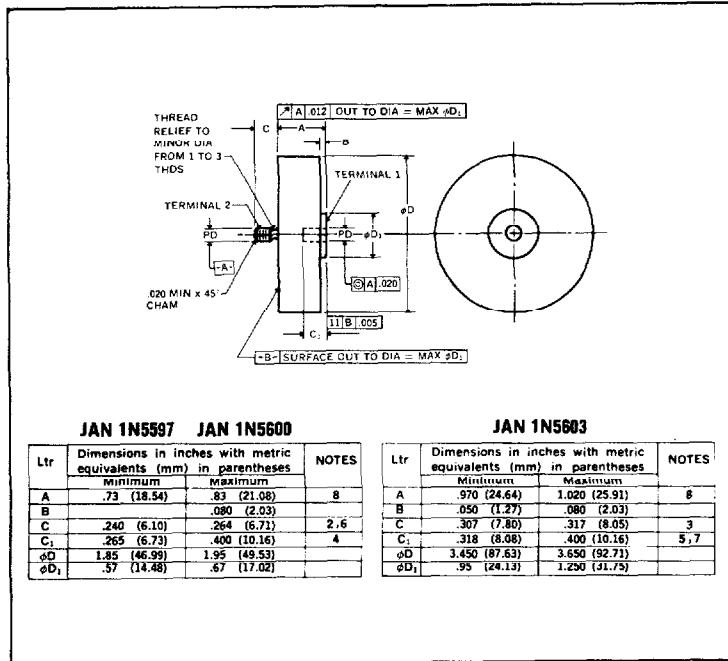
DESCRIPTION

This series of military high-voltage high-current stacks offers the utmost in reliability as required in military system designs. The rectifiers are assembled with diodes which have been subjected to TX type screening tests.

ABSOLUTE MAXIMUM RATINGS

	JAN 1N5597	JAN 1N5600	JAN 1N5603
Peak Inverse Voltage	10kV	5kV	5kV
Maximum Average D.C. Output Current @ $T_C = 75^\circ\text{C}$	1A	2A	5A
Non-Repetitive Sinusoidal Surge (8.3ms) @ $T_C = 75^\circ\text{C}$	30A	80A	200A
Operating and Storage Temperature Range, T_C		−65°C to +150°C	

MECHANICAL SPECIFICATIONS



JAN 1N5597 JAN 1N5600

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses		NOTES
	Minimum	Maximum	
A	.73 (18.54)	.83 (21.08)	8
B	.080 (2.03)		
C	.240 (6.10)	.264 (6.71)	2,6
C ₁	.265 (6.73)	.400 (10.16)	4
D	1.85 (46.99)	1.95 (49.53)	
D ₁	.57 (14.48)	.67 (17.02)	

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses		NOTES
	Minimum	Maximum	
A	.970 (24.64)	1.020 (25.91)	8
B	.050 (1.27)	.080 (2.03)	
C	.307 (7.80)	.317 (8.05)	3
C ₁	.318 (8.08)	.400 (10.16)	5,7
D	3.450 (87.63)	3.650 (92.71)	
D ₁	.95 (24.13)	1.200 (31.75)	

1. All marking shall be on cathode side of module.

2. Threaded stud 1/4-28UNF-2A.

3. Threaded stud 9/16-24UNF-2A.

4. Threaded insert 1/4-28UNF-2B.

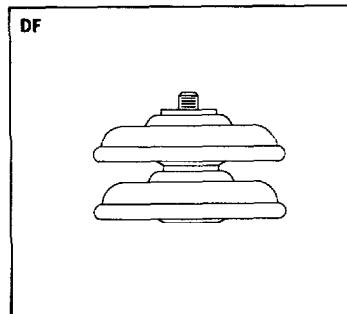
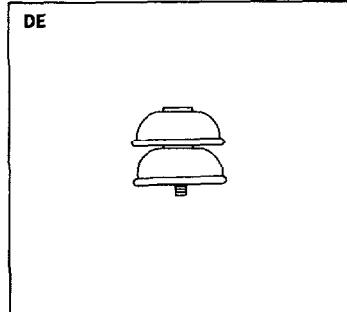
5. Threaded insert 3/8-24UNF-2B.

6. Cathode connected to terminal 2.

7. Cathode connected to terminal 1.

8. Module contour within dimension A is not specified.

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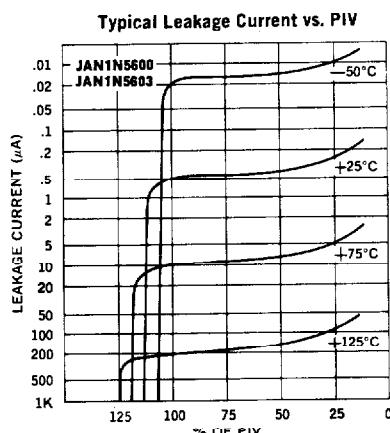
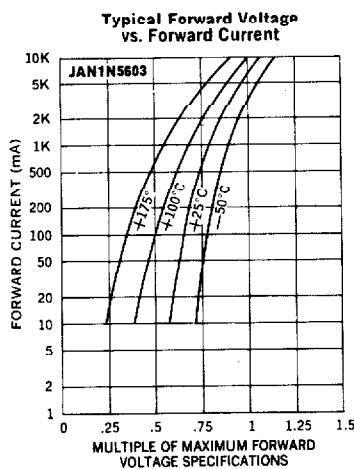
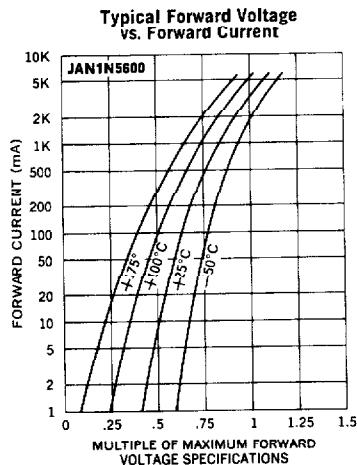
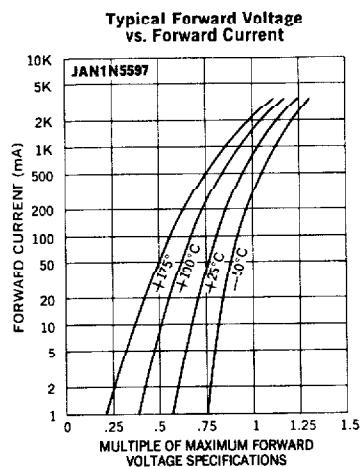


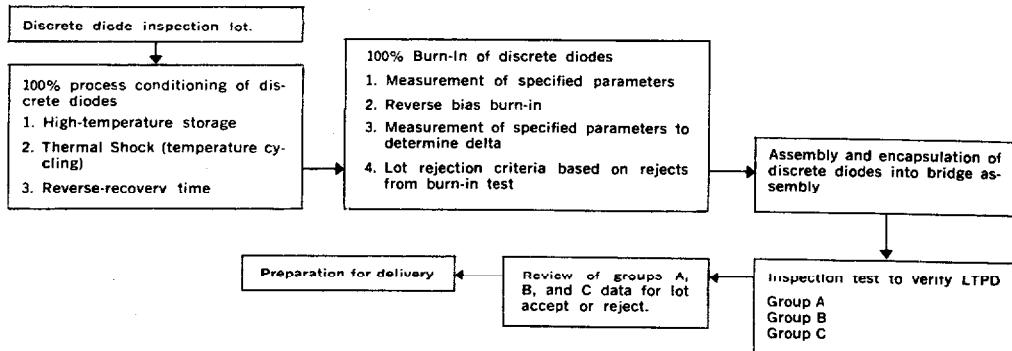
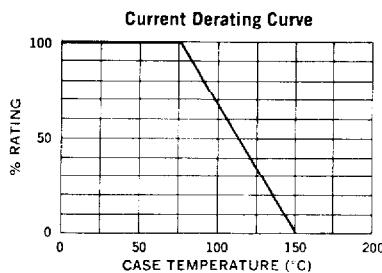
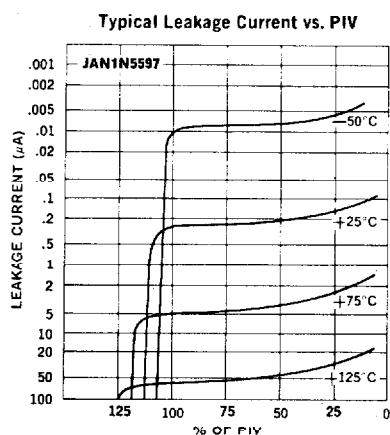
Microsemi Corp.
Watertown

The diode experts

Electrical Specifications (at 25°C unless noted)

Type	PIV kV	Forward Voltage Drop		Maximum Leakage Current @ PIV		Capacitance @ $V_R = 100V$		Maximum Reverse Transient Energy Absorption joules	
		Min.	Max.	$T_A = 25^\circ C$	$T_A = 100^\circ C$	Min.	Max.		
				μA	μA				
JAN 1N5597	10	13V @ 1A	19V @ 1A	1	75	5	30	2	
JAN 1N5600	5	6V @ 2A	10V @ 2A	5	100	7	30	6	
JAN 1N5603	5	6V @ 5A	10V @ 5A	5	100	15	40	12	





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