



SANTA ANA, CA

For more information call:  
(714) 979-8220

**FEATURES**

- MICROMINIATURE PACKAGE
- VOIDLESS HERMETICALLY SEALED GLASS PACKAGE
- TRIPLE LAYER PASSIVATION
- METALLURGICALLY BONDED
- STANDARD RECOVERY
- PIV TO 1000 VOLTS
- JAN/TX/TXV TYPES AVAILABLE PER MIL-S-19500/228

**MAXIMUM RATINGS**

Operating Temperature: -65°C to +175°C  
Storage Temperature: -65°C to +200°C

**ELECTRICAL CHARACTERISTICS**

TYPE	PEAK INVERSE VOLTAGE (MIN.) PIV	BREAKDOWN VOLTAGE (MIN.) $B_V @ 100 \mu A$	AVERAGE RECTIFIED CURRENT $I_O$		FORWARD VOLTAGE (MAX.) $V_F @ 1 A$	REVERSE CURRENT (MAX.) $I_R @ PIV$		SURGE CURRENT (MAX.) (NOTE 1) $I_F(\text{surge})$	
			AMPS			VOLTS	$\mu A$		
			100°C	150°C			25°C		150°C
JAN 1N3611	200	240	1.0	.3	1.1	1.0	300	30	
JAN 1N3612	400	480	1.0	.3	1.1	1.0	300	30	
JAN 1N3613	600	720	1.0	.3	1.1	1.0	300	30	
JAN 1N3614	800	920	1.0	.3	1.1	1.0	300	30	
JAN 1N3957	1000	1150	1.0	.3	1.1	1.0	300	30	

NOTE 1:  $T_A = 150^\circ C$ ,  $f = 60 \text{ Hz}$ ,  $I_O = 300 \text{ mA}$ , 10-8 m sec. surges @ 1/minute.

**MILITARY RECTIFIERS**

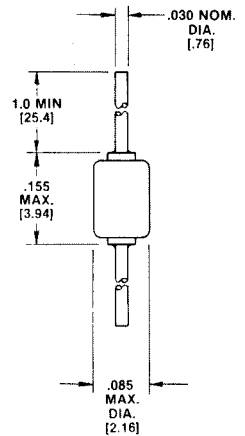


FIGURE 1  
PACKAGE A

**MECHANICAL CHARACTERISTICS**

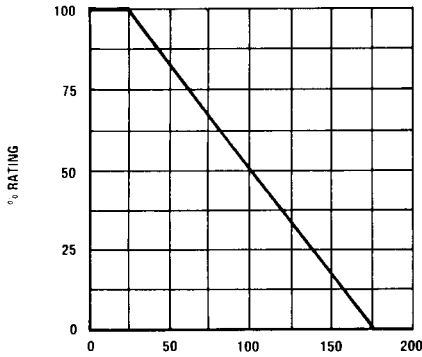
CASE: Hermetically sealed glass case.

LEAD MATERIAL: Tinned copper.

MARKING: Body painted, alpha numeric.

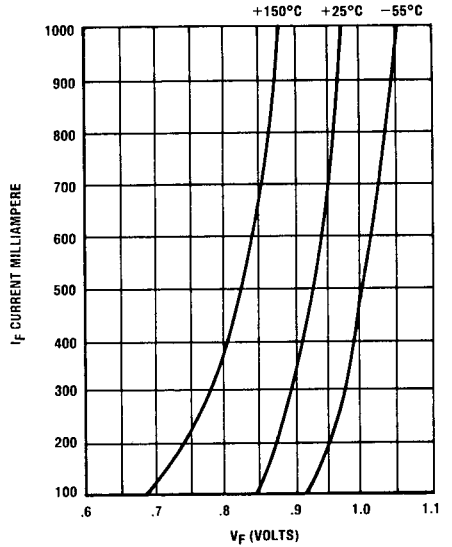
POLARITY: Cathode band.

# 1N3611 thru 1N3614, 1N3957

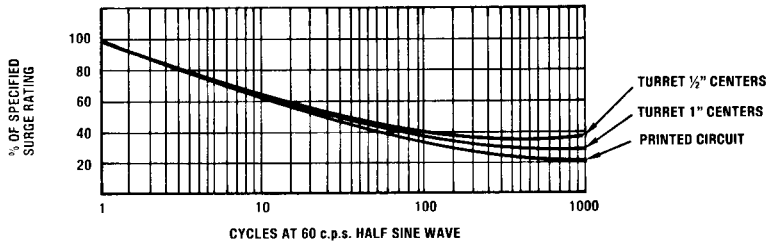


AMBIENT TEMPERATURE (°C)

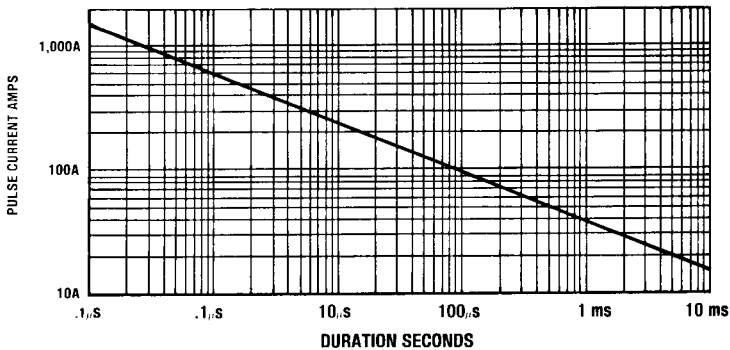
**FIGURE 2  
TEMPERATURE  
DERATING CURVE**



**FIGURE 3  
TYPICAL FORWARD  
CONDUCTANCE CURVE**



**FIGURE 4  
ALLOWABLE PEAK SURGE vs DURATION**



**FIGURE 5  
SURGE DURATION vs PULSE CURRENT  
Square Pulse Current vs Duration for Non-Repetitive Pulse**