



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	μA		
			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

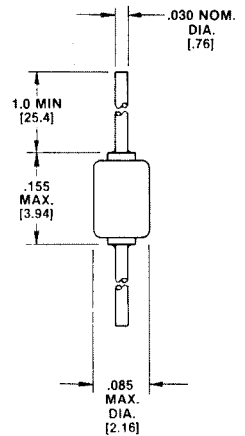


FIGURE 1
PACKAGE A

MECHANICAL CHARACTERISTICS

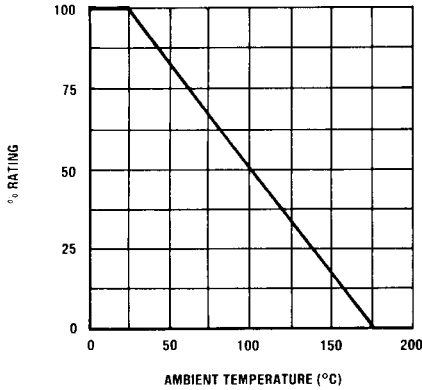
CASE: Hermetically sealed glass case.

LEAD MATERIAL: Tinned copper.

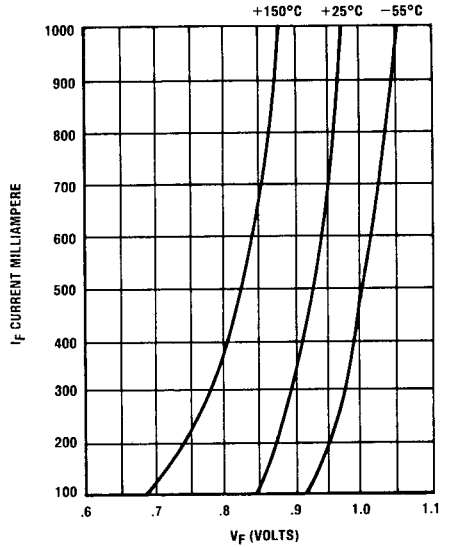
MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.

1N3611 thru 1N3614, 1N3957



AMBIENT TEMPERATURE (°C)
FIGURE 2
 TEMPERATURE
 DERATING CURVE



+150°C +25°C -55°C
FIGURE 3
 TYPICAL FORWARD
 CONDUCTANCE CURVE

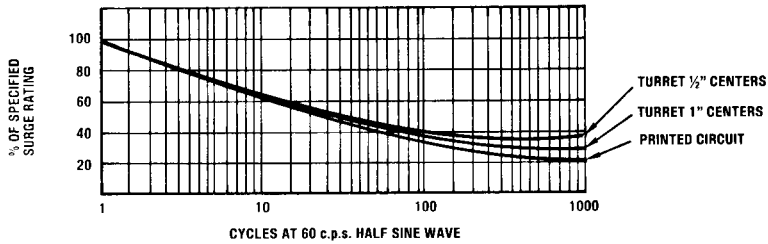


FIGURE 4
 ALLOWABLE PEAK SURGE vs DURATION

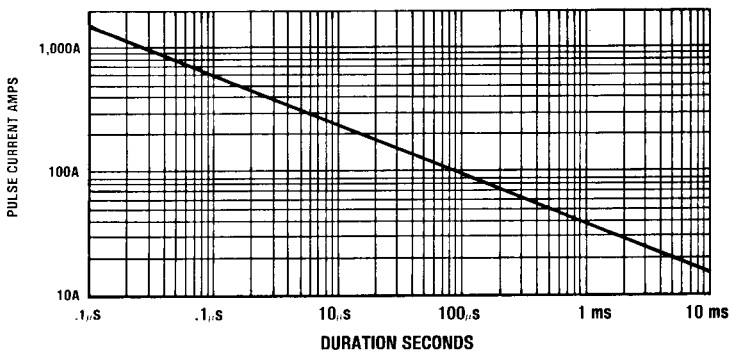


FIGURE 5
 SURGE DURATION vs PULSE CURRENT
 Square Pulse Current vs Duration for Non-Repetitive Pulse