

**POWER DISCRETES**
**Description**

Quick reference data

$$V_R = 200 - 1000 \text{ V}$$

$$I_O = 1.0 \text{ A}$$

$$t_{rr} = 2 \mu\text{s}$$

$$V_F = 1.1 \text{ V}$$

**Features**

- ◆ Low reverse leakage current
- ◆ Hermetically sealed in Metoxilite fused metal oxide
- ◆ Good thermal shock resistance
- ◆ Low forward voltage drop
- ◆ Avalanche capability

These products can be supplied as JANTX levels.

**Electrical Specifications**

Electrical specifications @  $T_A = 25^\circ\text{C}$  unless otherwise specified.

Types	$V_{RWM}$	$V_F$	$I_O$		$I_{FSM}$	$I_R$	$T_{RR}$	$T_{STG}$ and $T_J$	$R_{\theta JL}$ L=.375 inch (9.53mm)
			At: $T_J = 25^\circ\text{C}$ $I_O = 1 \text{ A}$	At: $T_A = +100^\circ\text{C}$ (1)(2)	At: $T_A = +150^\circ\text{C}$ (1)(2)	$T_A = +25^\circ\text{C}$ $I_O = 1 \text{ A dc}$ $t_p = 8.0 \text{ ms}$	$V_{RWM}$ , $T_J = 25^\circ\text{C}$	0.5A $I_O$ to 1.0A $I_{RM}$ recover to 0.25A $I_{RM}$ (REC)	
	V(pk)	V	A dc	mA dc	A(pk)	$\mu\text{A}$	$\mu\text{s}$	$^\circ\text{C}$	$^\circ\text{C/W}$
1N3611	200	1.1	1	300	30	0.5	2	-65 to +175	38
1N3612	400	1.1	1	300	30	0.5	2	-65 to +175	38
1N3613	600	1.1	1	300	30	0.5	2	-65 to +175	38
1N3614	800	1.1	1	300	30	0.5	2	-65 to +175	38
1N3957	1000	1.1	1	300	30	0.5	2	-65 to +175	38

Notes:

(1) From  $I_O$  rating is independent of heat sinking, special mounting, or leads of the device.

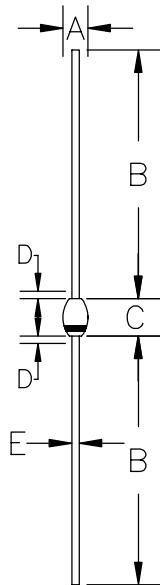
(2) Derate linearly at 13.3mA between  $T_A = +100^\circ\text{C}$  and  $T_A = +175^\circ\text{C}$

**POWER DISCRETES**
**Ordering Information**

Part Number	Description
1N3611 1N3612 1N3613 1N3614 1N3957	Axial leaded hermetically sealed <sup>(1)</sup>

Note:

(1) Available in bulk or tape and reel packaging. Please consult factory for quantities.

**Outline Drawing**


G2

DIMENSIONS					
DIM <sup>N</sup>	MM		INCHES		NOTE
	MIN	MAX	MIN	MAX	
A	1.6	2.8	.065	.110	—
B	25.4	33.0	1.00	1.30	—
C	3.5	4.2	.140	.165	—
D	—	.80	—	.030	1
E	.66	.84	.026	.033	—

NOTES:

1. LEAD DIAMETER UNCONTROLLED  
OVER THIS REGION.

CATHODE IS DENOTED BY A BAND.

**Contact Information**

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