

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)	μA	μS	°C	°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.

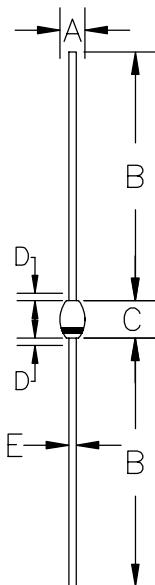
 (2) Derate linearly at 13.3mA between $T_A = +100^\circ\text{C}$ and $T_A = +175^\circ\text{C}$

POWER DISCRETES
Ordering Information

Part Number	Description
1N3611	
1N3612	
1N3613	Axial leaded hermetically sealed ⁽¹⁾
1N3614	
1N3957	

Note:

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

Outline Drawing


G2

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

NOTES:

1. LEAD DIAMETER UNCONTROLLED
OVER THIS REGION.

CATHODE IS DENOTED BY A BAND.

Contact Information

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