1N3611, 1N3612, 1N3613, 1N3614, 1N3957
Axial Leaded Hermetically Sealed Standard Recovery Rectifier Diode

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one source. one solution.®

POWER DISCRETES

Description

Quick reference data

V_R = 200 - 1000 V
I_O = 1.0A
t_{rr} = 2µS
V_F = 1.1V

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°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°C I_O = 1A	At: T_A = +100°C (1)(2)	At: T_A = +150°C (1)(2)	T_A = +25°C I_O = 1 A dc t_p = 8.0ms	V_{RWM}, T_J = 25°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°C and T_A = +175°C

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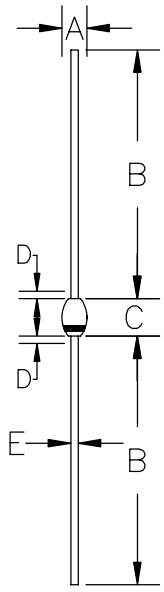
Ordering Information

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

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

Outline Drawing



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DIMENSIONS					
DIM N	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.