

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ^(Note1)("P" Suffix Designates Compliant. See Ordering Information)
- Standard VZ Tolerance is +/- 5%
- Zener Voltage 3.6V

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Maximum Thermal Resistance: 15°C/W from Junction to Lead
- Maximum Thermal Resistance: 83°C/W from Junction to Ambient

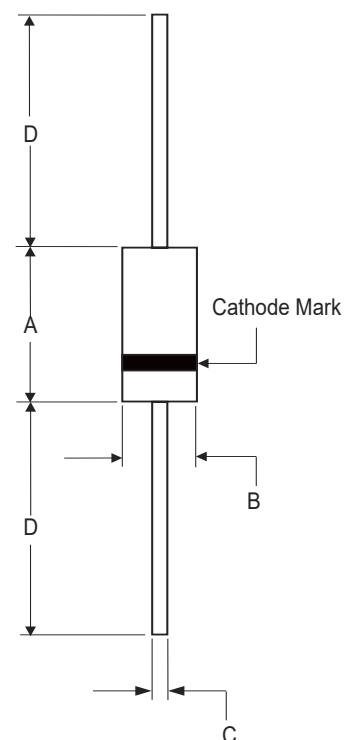
Parameter	Symbol	Rating	Conditions
Power Dissipation	P_D	5.0W	$T_L=75^{\circ}\text{C}$ ^(Note2)
Maximum Forward Voltage	V_F	1.2V	$I_F=1.0\text{A}$

Note:

1. High Temperature Solder Exemption Applied, See EU Directive Annex 7a.
2. Lead temperature at 3/8" (9.5mm) from body.

5 Watt Zener Diode 3.6 Volts

DO-15



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.230	0.300	5.80	7.60	
B	0.104	0.140	2.60	3.60	
C	0.026	0.035	0.70	0.90	
D	1.000	-----	25.40	-----	

Electrical Characteristics @ 25°C Unless Otherwise Specified

MCC Part Number	Zener Voltage			Test Current	Maximum Dynamic Impedance	Maximum Reverse Current	Test Voltage	Maximum Regulator Current	Maximum Dynamic Knee Impedance	MARKING CODE
	$V_Z @ I_{ZT}$			I_Z	Z_{ZT}	I_R	V_R	I_{ZM}	$Z_{ZK} @ 1.0mA$	
	Min.(V)	Nom.(V)	Max.(V)	mA	Ω	μA	V	mA	Ω	
1N5334B	3.42	3.6	3.78	350	2.5	150	1	1320	500	1N5334B

Curve Characteristics

Fig. 1 - Power Derating Curve

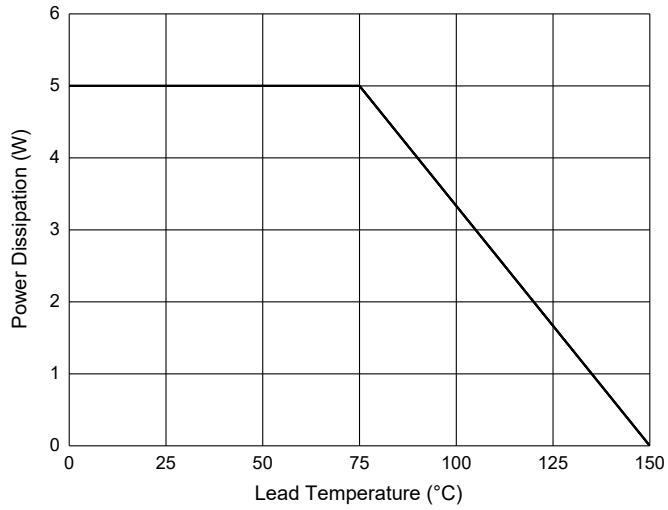
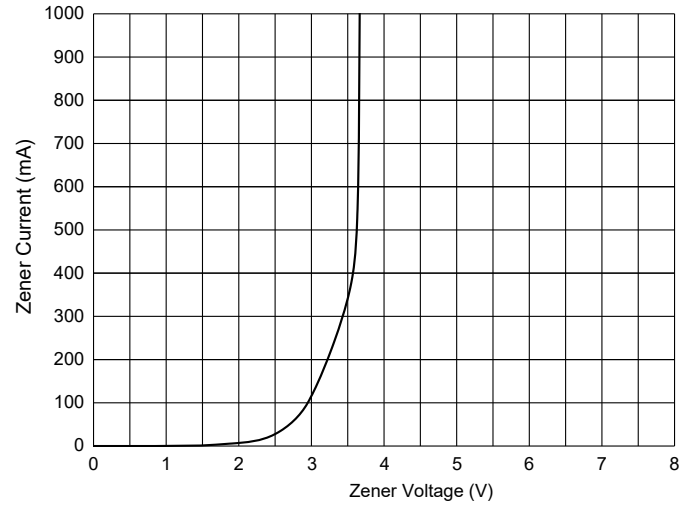


Fig. 2 - Typical Zener Breakdown Characteristics



Ordering Information

Device	Packing
1N5334B-TP	Tape&Reel: 4Kpcs/Reel
1N5334B-AP	Ammo Packing: 3Kpcs/Ammo Box
1N5334B-BP	Bulk:500pcs/Box,25Kpcs/Carton

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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