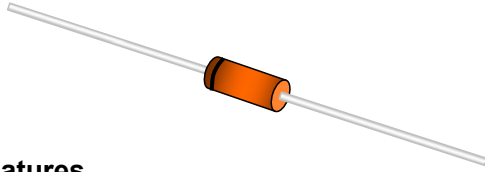


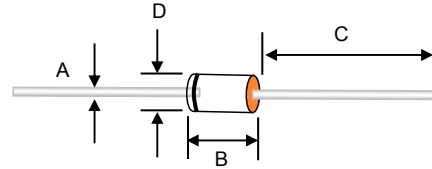
Small Signal Diode



DO-35 Axial Lead
HERMETICALLY SEALED GLASS

Features

- ✧Wide zener voltage range selection:2.4V to 75V
- ✧Vz Tolerance Selection of $\pm 5\%$
- ✧Designed for through-Hole Device Type Mounting
- ✧Hermetically Sealed Glass
- ✧Pb free version and RoHS compliant
- ✧High reliability glass passivation insuring parameter stability and protection against junction contamination



Mechanical Data

- ✧Case :DO-35 package (SOD-27)
- ✧Lead:Axial leads,solderable per MIL-STD-202,Method 2025
- ✧High temperature soldering guaranteed: 260°C/10s
- ✧Polarity:Indicated by cathode band
- ✧Weight : 109 \pm 4 mg

Dimensions	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
A	0.45	0.55	0.018	0.022
B	3.05	5.08	0.120	0.201
C	25.40	38.10	1.000	1.500
D	1.53	2.28	0.060	0.090

Ordering Information

Part No.	Package code	Package	Packing
BZX79C2V4-75	A0	DO-35	5Kpcs / Ammo
BZX79C2V4-75	R0	DO-35	10Kpcs / 14" Reel

Maximum Ratings and Electrical Characteristics

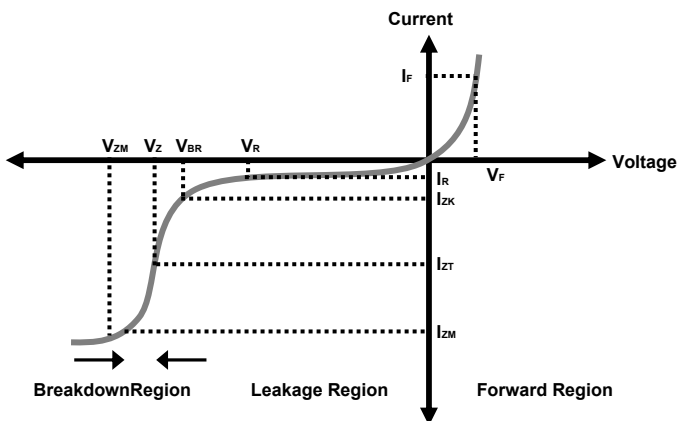
Rating at 25°C ambient temperature unless otherwise specified.

Maximum Ratings

Type Number	Symbol	Value	Units
Power Dissipation	P_D	500	mW
Maximum Forward Voltage @ $I_F=100mA$	V_F	1.5	V
Thermal Resistance (Junction to Ambient) (Note 1)	$R_{\theta JA}$	300	°C/W
Storage Temperature Range	T_J, T_{STG}	-65 to + 175	°C

Notes:1. Valid provided that electrodes are kept at ambient temperature

Zener I vs.V Characteristics



- V_{BR} : Voltage at I_{ZK}
- I_{ZK} : Test current for voltage V_{BR}
- Z_{ZK} : Dynamic impedance at I_{ZK}
- I_{ZT} : Test current for voltage V_Z
- V_Z : Voltage at current I_{ZT}
- Z_{ZT} : Dynamic impedance at I_{ZT}
- I_{ZM} : Maximum steady state current
- V_{ZM} : Voltage at I_{ZM}

Small Signal Diode

Rating and Sharacteristic Curves

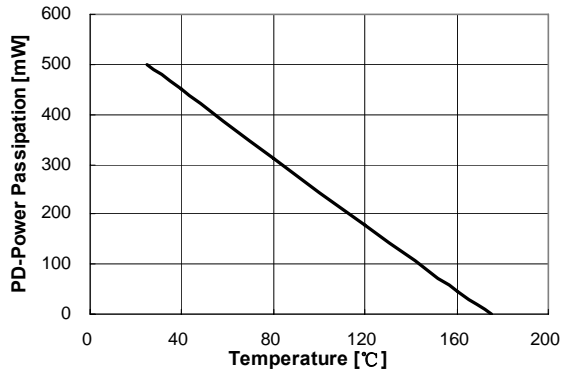


Figure 1. Power Dissipation vs Ambient Temperature
 Valid provided leads at a distance of 0.8mm from case are kept at ambient temperature

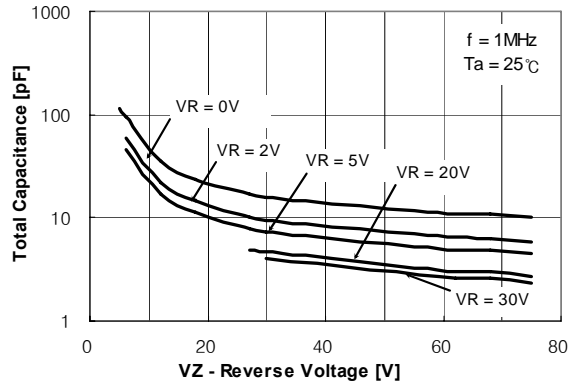


Figure 2. Total Capacitance

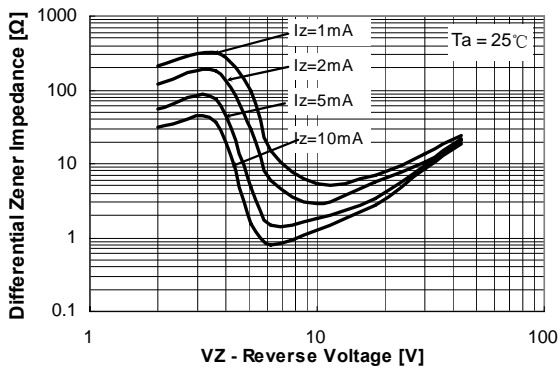


Figure 3. Differential Impedance vs. Zener Voltage

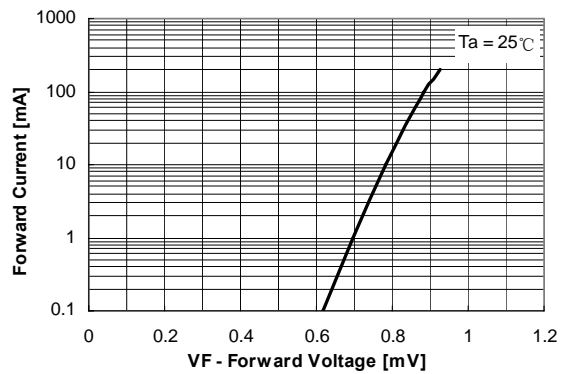


Figure 4. Forward Current vs. Forward Voltage

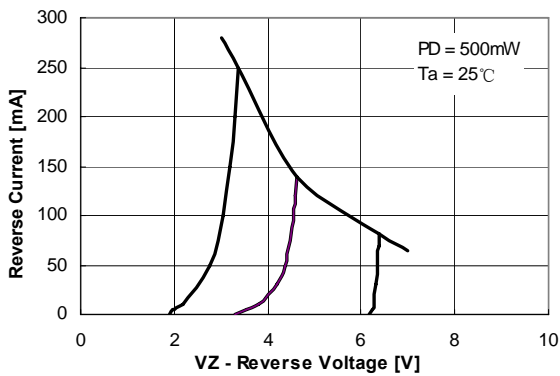


Figure 5. Reverse Current vs. Reverse Voltage

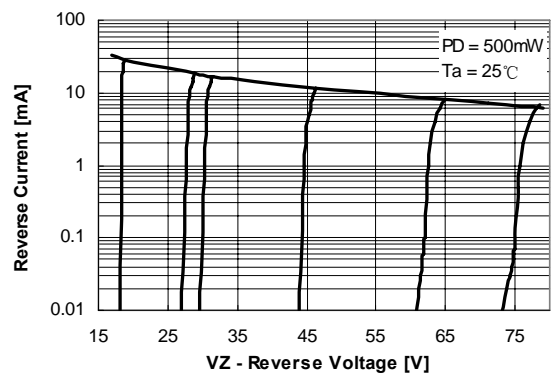
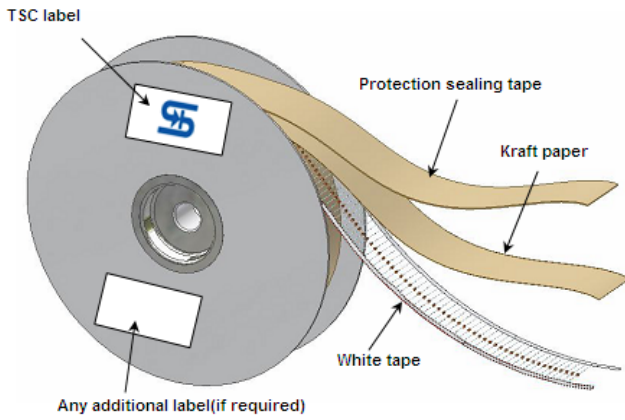


Figure 6. Reverse Current vs. Reverse Voltage

Small Signal Diode

Tape & Reel specification

**BZX79C2V4-BZX79C75
500mW,5% Tolerance Zener Diode**



Item	Symbol	Dimension(mm)
Overall width	A	64+1.69/-0.69
Tape spacing	B	52.0+/-0.69
Component Pitch	C	5.08+/-0.40
Untaped lead	L1-L2	+/-0.69
Bent	K	1.2 Max
Tape Mismatch	E	0.55(MAX)
Glass offset	F	0.69(MAX)
Taped lead	G	3.2Min
lead beyond tape	H	0
Reel outside diameter	D	260+/-3
Reel inner diameter	D1	48+/-1
Feed hole width	D2	20+/-0.5
Reel width	W1	72+3/-1

