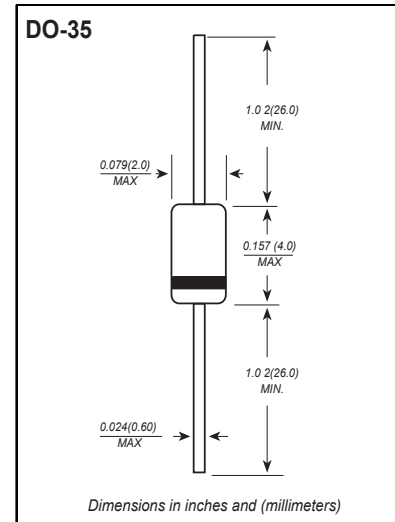


## 500mW Zener Diode BZX55B2V7 - BZX55B75

### Features

- Very Sharp Reverse Characteristic
- Low Reverse Current Level
- Very High Stability
- Low Noise



### Absolute Maximum Ratings $T_a = 25$

Parameter	Symbol	Rating	Unit
Forward Voltage $I_F=200\text{mA}$	$V_F$	1.5	V
Zener Current	$I_Z$	$P_D/V_Z$	mA
Power Dissipation	$P_D$	500	mW
Thermal Resistance, Junction to Ambient Air	$R_{JA}$	300	K/W
Storage Temperature Range	$T_{STG}$	-65 to +175	
Operating Junction Temperature	$T_J$	175	

**BZX55B2V7 - BZX55B75**

Electrical Characteristics Ta = 25

TypeNumber	Nominal Zener Voltage		Zener Voltage Range	Zener Impedance	Zener Impedance		Leakage Current @ VR			Temperature Coefficient
	Vz @ IzT		Vz @ IzT	ZzT @ IzT	ZzT @ IzK		IR @ T=25	IR @ T=150	VR	
	(V)	(mA)	(V)	( )	( )	(mA)	( $\mu$ A)	( $\mu$ A)	(V)	(%/K)
BZX55B2V7	2.7	5	2.64 to 2.76	< 85	< 600	1	< 10	< 50	1	-0.09 to -0.06
BZX55B3V0	3.0	5	2.94 to 3.06	< 90	< 600	1	< 4	< 40	1	-0.08 to -0.05
BZX55B3V3	3.3	5	3.24 to 3.36	< 90	< 600	1	< 2	< 40	1	-0.08 to -0.05
BZX55B3V6	3.6	5	3.52 to 3.68	< 90	< 600	1	< 2	< 40	1	-0.08 to -0.05
BZX55B3V9	3.9	5	3.82 to 3.98	< 90	< 600	1	< 2	< 40	1	-0.08 to -0.05
BZX55B4V3	4.3	5	4.22 to 4.38	< 90	< 600	1	< 1	< 20	1	-0.06 to -0.03
BZX55B4V7	4.7	5	4.60 to 4.80	< 80	< 600	1	< 0.5	< 10	1	-0.05 to +0.02
BZX55B5V1	5.1	5	5.00 to 5.20	< 60	< 550	1	< 0.1	< 2	1	-0.02 to +0.02
BZX55B5V6	5.6	5	5.48 to 5.72	< 40	< 450	1	< 0.1	< 2	1	-0.05 to +0.05
BZX55B6V2	6.2	5	6.08 to 6.32	< 10	< 200	1	< 0.1	< 2	2	0.03 to 0.06
BZX55B6V8	6.8	5	6.66 to 6.94	< 8	< 150	1	< 0.1	< 2	3	0.03 to 0.07
BZX55B7V5	7.5	5	7.35 to 7.65	< 7	< 50	1	< 0.1	< 2	5	0.03 to 0.07
BZX55B8V2	8.2	5	8.04 to 8.36	< 7	< 50	1	< 0.1	< 2	6.2	0.03 to 0.08
BZX55B9V1	9.1	5	8.92 to 9.28	< 10	< 50	1	< 0.1	< 2	6.8	0.03 to 0.09
BZX55B10	10	5	9.80 to 10.20	< 15	< 70	1	< 0.1	< 2	7.5	0.03 to 0.1
BZX55B11	11	5	10.78 to 11.22	< 20	< 70	1	< 0.1	< 2	8.2	0.03 to 0.11
BZX55B12	12	5	11.76 to 12.24	< 20	< 90	1	< 0.1	< 2	9.1	0.03 to 0.11
BZX55B13	13	5	12.74 to 13.26	< 26	< 110	1	< 0.1	< 2	10	0.03 to 0.11
BZX55B15	15	5	14.70 to 15.30	< 30	< 110	1	< 0.1	< 2	11	0.03 to 0.11
BZX55B16	16	5	15.70 to 16.30	< 40	< 170	1	< 0.1	< 2	12	0.03 to 0.11
BZX55B18	18	5	17.64 to 18.36	< 50	< 170	1	< 0.1	< 2	13	0.03 to 0.11
BZX55B20	20	5	19.60 to 20.40	< 55	< 220	1	< 0.1	< 2	15	0.03 to 0.11
BZX55B22	22	5	21.55 to 22.45	< 55	< 220	1	< 0.1	< 2	16	0.04 to 0.12
BZX55B24	24	5	23.5 to 24.5	< 80	< 220	1	< 0.1	< 2	18	0.04 to 0.12
BZX55B27	27	5	26.4 to 27.6	< 80	< 220	1	< 0.1	< 2	20	0.04 to 0.12
BZX55B30	30	5	29.4 to 30.6	< 80	< 220	1	< 0.1	< 2	22	0.04 to 0.12
BZX55B33	33	5	32.4 to 33.6	< 80	< 220	1	< 0.1	< 2	24	0.04 to 0.12
BZX55B36	36	5	35.3 to 36.7	< 80	< 220	1	< 0.1	< 2	27	0.04 to 0.12
BZX55B39	39	2.5	38.2 to 39.8	< 90	< 500	0.5	< 0.1	< 5	30	0.04 to 0.12
BZX55B43	43	2.5	42.1 to 43.9	< 90	< 600	0.5	< 0.1	< 5	33	0.04 to 0.12
BZX55B47	47	2.5	46.1 to 47.9	< 110	< 700	0.5	< 0.1	< 5	36	0.04 to 0.12
BZX55B51	51	2.5	50.0 to 52.0	< 125	< 700	0.5	< 0.1	< 10	39	0.04 to 0.12
BZX55B56	56	2.5	54.9 to 57.1	< 135	< 1000	0.5	< 0.1	< 10	43	0.04 to 0.12
BZX55B62	62	2.5	60.8 to 63.2	< 150	< 1000	0.5	< 0.1	< 10	47	0.04 to 0.12
BZX55B68	68	2.5	66.6 to 69.4	< 200	< 1000	0.5	< 0.1	< 10	51	0.04 to 0.12
BZX55B75	75	2.5	73.5 to 76.5	< 250	< 1500	0.5	< 0.1	< 10	56	0.04 to 0.12