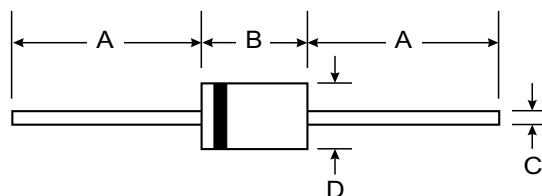


Features

- Very sharp reverse characteristic
- Low reverse current level
- Very high stability
- Low noise
- Available with tighter tolerances
- Lead (Pb)-free component
- Component in accordance to RoHS 2002/95/EC and WEEE 2002/96/EC



Mechanical Data

- **Case:** DO35 glass case
- **Weight:** approx. 125 mg
- **Cathode Band Color:** black
- **Packaging Codes/Options:**
TR/10 k per 13" reel, 30 k/box
TAP/10 k per ammpack (52 mm tape), 30 k/box

DO-35		
Dim	Min	Max
A	25.40	—
B	—	4.00
C	—	0.60
D	—	2.00
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Parameter	Test condition	Symbol	Value	Unit
Power dissipation	I = 4 mm, T _L = 25 °C	P _{tot}	500	mW
Z-current		I _Z	P _{tot} /V _Z	mA

Parameter	Test condition	Symbol	Min	Typ.	Max	Unit
Forward voltage	I _F = 200 mA	V _F			1.5	V

Partnumber	Zener Voltage Range		Dynamic Resistance		Test Current	Temperature Coefficient		Test Current	Reverse Leakage Current		
	V_Z at I_{ZT}		r_{zjT} at I_{ZT} , $f = 1 \text{ kHz}$	r_{zjK} at I_{ZK} , $f = 1 \text{ kHz}$	I_{ZT}	TK_{VZ}		I_{ZK}	I_R at $T_{amb} = 25^\circ\text{C}$	I_R at $T_{amb} = 150^\circ\text{C}$	at V_R
	V		Ω		mA	%/K		mA	μA		V
	min	max				min	max				
BZX55C2V4	2.28	2.56	< 85	< 600	5	- 0.09	- 0.06	1	< 50	< 100	1
BZX55C2V7	2.5	2.9	< 85	< 600	5	- 0.09	- 0.06	1	< 10	< 50	1
BZX55C3V0	2.8	3.2	< 85	< 600	5	- 0.08	- 0.05	1	< 4	< 40	1
BZX55C3V3	3.1	3.5	< 85	< 600	5	- 0.08	- 0.05	1	< 2	< 40	1
BZX55C3V6	3.4	3.8	< 85	< 600	5	- 0.08	- 0.05	1	< 2	< 40	1
BZX55C3V9	3.7	4.1	< 85	< 600	5	- 0.08	- 0.05	1	< 2	< 40	1
BZX55C4V3	4	4.6	< 75	< 600	5	- 0.06	- 0.03	1	< 1	< 20	1
BZX55C4V7	4.4	5	< 60	< 600	5	- 0.05	0.02	1	< 0.5	< 10	1
BZX55C5V1	4.8	5.4	< 35	< 550	5	- 0.02	0.02	1	< 0.1	< 2	1
BZX55C5V6	5.2	6	< 25	< 450	5	- 0.05	0.05	1	< 0.1	< 2	1
BZX55C6V2	5.8	6.6	< 10	< 200	5	0.03	0.06	1	< 0.1	< 2	2
BZX55C6V8	6.4	7.2	< 8	< 150	5	0.03	0.07	1	< 0.1	< 2	3
BZX55C7V5	7	7.9	< 7	< 50	5	0.03	0.07	1	< 0.1	< 2	5
BZX55C8V2	7.7	8.7	< 7	< 50	5	0.03	0.08	1	< 0.1	< 2	6.2
BZX55C9V1	8.5	9.6	< 10	< 50	5	0.03	0.09	1	< 0.1	< 2	6.8
BZX55C10	9.4	10.6	< 15	< 70	5	0.03	0.1	1	< 0.1	< 2	7.5
BZX55C11	10.4	11.6	< 20	< 70	5	0.03	0.11	1	< 0.1	< 2	8.2
BZX55C12	11.4	12.7	< 20	< 90	5	0.03	0.11	1	< 0.1	< 2	9.1
BZX55C13	12.4	14.1	< 26	< 110	5	0.03	0.11	1	< 0.1	< 2	10
BZX55C15	13.8	15.6	< 30	< 110	5	0.03	0.11	1	< 0.1	< 2	11
BZX55C16	15.3	17.1	< 40	< 170	5	0.03	0.11	1	< 0.1	< 2	12
BZX55C18	16.8	19.1	< 50	< 170	5	0.03	0.11	1	< 0.1	< 2	13
BZX55C20	18.8	21.2	< 55	< 220	5	0.03	0.11	1	< 0.1	< 2	15
BZX55C22	20.8	23.3	< 55	< 220	5	0.04	0.12	1	< 0.1	< 2	16
BZX55C24	22.8	25.6	< 80	< 220	5	0.04	0.12	1	< 0.1	< 2	18
BZX55C27	25.1	28.9	< 80	< 220	5	0.04	0.12	1	< 0.1	< 2	20
BZX55C30	28	32	< 80	< 220	5	0.04	0.12	1	< 0.1	< 2	22
BZX55C33	31	35	< 80	< 220	5	0.04	0.12	1	< 0.1	< 2	24
BZX55C36	34	38	< 80	< 220	5	0.04	0.12	1	< 0.1	< 2	27
BZX55C39	37	41	< 90	< 500	2.5	0.04	0.12	0.5	< 0.1	< 5	30
BZX55C43	40	46	< 90	< 600	2.5	0.04	0.12	0.5	< 0.1	< 5	33
BZX55C47	44	50	< 110	< 700	2.5	0.04	0.12	0.5	< 0.1	< 5	36
BZX55C51	48	54	< 125	< 700	2.5	0.04	0.12	0.5	< 0.1	< 10	39
BZX55C56	52	60	< 135	< 1000	2.5	0.04	0.12	0.5	< 0.1	< 10	43
BZX55C62	58	66	< 150	< 1000	2.5	0.04	0.12	0.5	< 0.1	< 10	47
BZX55C68	64	72	< 200	< 1000	2.5	0.04	0.12	0.5	< 0.1	< 10	51
BZX55C75	70	79	< 250	< 1500	2.5	0.04	0.12	0.5	< 0.1	< 10	56