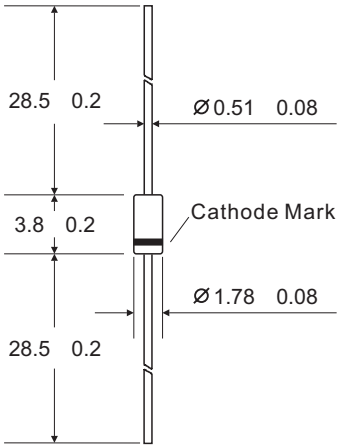
Features

- Silicon Planar Zener Diodes.
- For use as voltage stabilizer or voltage reference.
- The Zener voltage are graded according international



Glass Case JEDEC DO-35

Dimensions in millimeters

Mechanical Data

Print:

Case: DO-35 Glass Case

Weight: approx. 0.13g

Packaging Codes/Options:

BP: 10K per box, 100K/carton

AP: 5K per Ammo tape (52mm tape), 100K/carton

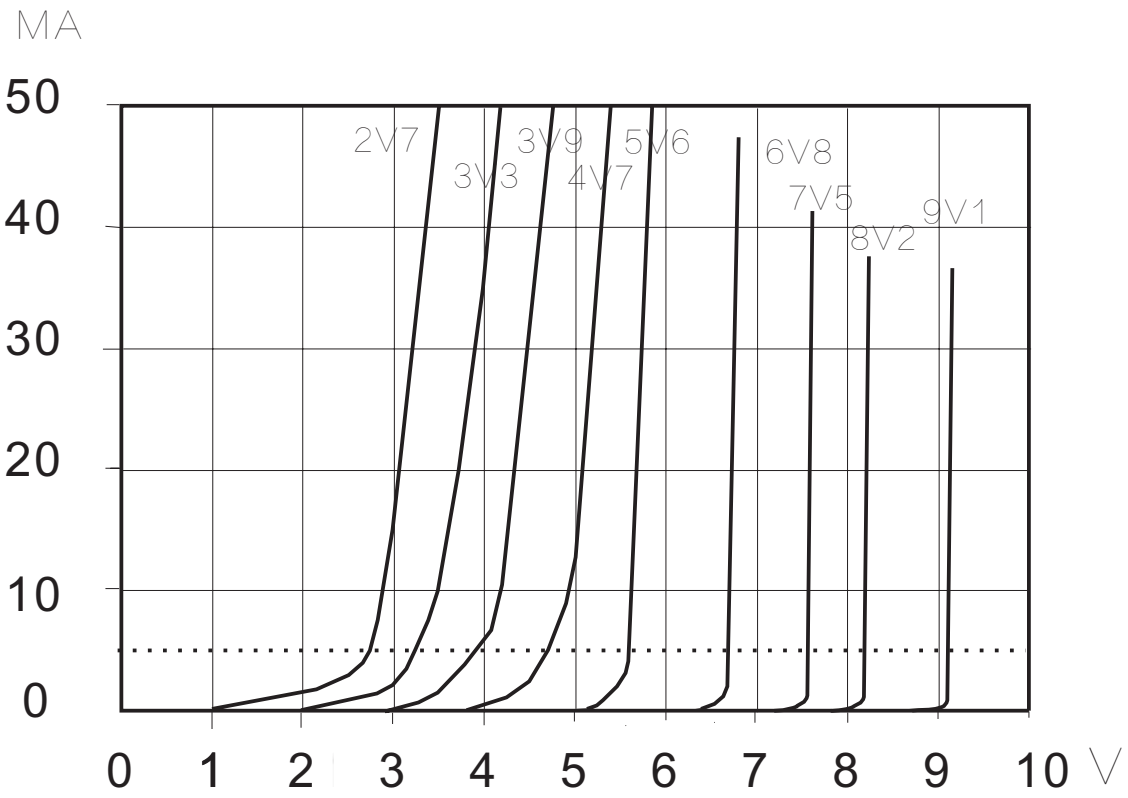
Maximum Ratings and Thermal Characteristics T_A = 25°C unless otherwise noted

Parameter	Symbol	Limit	Unit
Power Dissipation at T_{amb} = 25 °C	P_{tot}	500	mW
Junction Temperature	T_j	175	°C
Storage Temperature	T_S	- 65 to +175	°C
Forward Voltage at I_F = 100 mA	V_F	1.1	V

Silicon Planar Zener Diodes

型号	* 稳定电压范围			动态电阻			稳定电压温度系数	反向漏电流		容许工作电流	耗散功率
Type	* Zener Voltage Range @ I_{ZT}			Dynamic Resistance			Temperature Coefficient Of Zener Voltage	Reverse Leakage Current @ V_R		Maximum Zener Current	Power Dissipation @ 25℃ T_A
	V_Z		I_{ZT}	R_{ZJT}	R_{ZJK} @	I_{ZK}	aV_Z	I_R	V_R	I_{ZM}	P_D
DO-35 Package	V		mA	W	W	mA	% / ℃	μA	V	mA	mW
	Min	Max		Min	Max		Typ	Max		Max	Min
BZX 55/C 2V0	1.90	2.10	5	85	600	1	- 0.090	100	1	185	
BZX 55/C 2V4	2.09	2.31	5	85	600	1	- 0.085	50	1	155	
BZX 55/C 2V7	2.57	2.83	5	85	600	1	- 0.080	10	1	135	
BZX 55/C 3V0	2.85	3.15	5	85	600	1	- 0.075	4	1	125	
BZX 55/C 3V3	3.14	3.46	5	85	600	1	- 0.070	2	1	115	
BZX 55/C 3V6	3.42	3.78	5	85	600	1	- 0.065	2	1	105	
BZX 55/C 3V9	3.71	4.09	5	85	600	1	- 0.060	2	1	95	
BZX 55/C 4V3	4.09	4.51	5	75	600	1	0.055	1	1	90	
BZX 55/C 4V7	4.47	4.93	5	60	600	1	0.030	0.5	1	85	
BZX 55/C 5V1	4.85	5.35	5	35	550	1	0.030	0.1	1	80	
BZX 55/C 5V6	5.32	5.88	5	25	450	1	0.038	0.1	1	70	
BZX 55/C 6V2	5.89	6.51	5	10	200	1	0.045	0.1	2	64	
BZX 55/C 6V8	6.46	7.14	5	8	150	1	0.050	0.1	3	58	
BZX 55/C 7V5	7.13	7.87	5	7	50	1	0.058	0.1	5	53	
BZX 55/C 8V2	7.79	8.61	5	7	50	1	0.062	0.1	6.2	48	
BZX 55/C 9V1	8.65	9.55	5	10	50	1	0.068	0.1	6.8	43	
BZX 55/C 10	9.50	10.50	5	15	70	1	0.075	0.1	7.5	40	
BZX 55/C 11	10.45	11.55	5	20	70	1	0.076	0.1	8.2	36	
BZX 55/C 12	11.40	12.60	5	20	90	1	0.077	0.1	9.1	32	
BZX 55/C 13	12.35	13.65	5	26	110	1	0.079	0.1	10	29	
BZX 55/C 15	14.25	15.75	5	30	110	1	0.082	0.1	11	27	
BZX 55/C 16	15.20	16.80	5	40	170	1	0.083	0.1	12	24	
BZX 55/C 18	17.10	18.90	5	50	170	1	0.085	0.1	13	21	
BZX 55/C 20	19.00	21.00	5	55	220	1	0.086	0.1	15	20	
BZX 55/C 22	20.90	23.10	5	55	220	1	0.087	0.1	16	18	500
BZX 55/C 24	22.80	25.20	5	80	220	1	0.088	0.1	18	16	
BZX 55/C 27	25.65	28.35	5	80	220	1	0.090	0.1	20	14	
BZX 55/C 30	28.50	31.50	5	80	220	1	0.091	0.1	22	13	
BZX 55/C 33	31.35	34.65	5	80	220	1	0.092	0.1	24	12	
BZX 55/C 36	34.20	37.80	5	80	220	1	0.093	0.1	27	11	
BZX 55/C 39	37.05	40.90	2.5	90	500	0.5	0.094	0.1	30	10	
BZX 55/C 43	40.85	45.15	2.5	90	600	0.5	0.095	0.1	33	9.2	
BZX 55/C 47	44.65	49.35	2.5	110	700	0.5	0.095	0.1	36	8.5	
BZX 55/C 51	48.45	53.55	2.5	120	700	0.5	0.096	0.1	39	7.8	
BZX 55/C 56	53.20	58.80	2.5	135	1000	0.5	0.096	0.1	43	7.0	
BZX 55/C 62	58.90	65.10	2.5	150	1000	0.5	0.096	0.1	47	6.4	
BZX 55/C 68	64.60	71.40	2.5	200	1000	0.5	0.096	0.1	51	5.9	
BZX 55/C 75	71.25	78.75	2.5	250	1500	0.5	0.096	0.1	56	5.3	
BZX 55/C 82	77.90	86.10	2.5	300	2000	0.5	0.096	0.1	62	4.8	
BZX 55/C 91	86.45	95.55	1	450	5000	0.1	0.096	0.1	68	4.4	
BZX 55/C 100	95.00	105.0	1	450	5000	0.1	0.096	0.1	75	4.0	
BZX 55/C 110	104.5	115.5	1	600	5000	0.1	0.096	0.1	82	3.6	
BZX 55/C 120	114.5	126.5	1	800	5000	0.1	0.096	0.1	91	3.3	
BZX 55/C 130	125.9	139.1	1	1000	5000	0.1	0.096	0.1	100	3.0	
BZX 55/C 150	139.7	154.4	1	1200	5000	0.1	0.096	0.1	110	2.6	
BZX 55/C 160	153.9	170.1	1	1500	5000	0.1	0.096	0.1	120	2.5	
BZX 55/C 180	170.5	188.5	1	1800	5000	0.1	0.096	0.1	130	2.2	
BZX 55/C 200	190.0	210.0	1	2000	5000	0.1	0.096	0.1	150	2.0	

Note: * Tested with pulses tp = 20 mS.



DO-35 稳压二极管特性曲线(2V~10V)