

特征 Features

- 反向漏电小; Low Reverse Leakage
- 齐纳击穿阻抗低; Low Zener Impedance
- 最大功率耗散 500mW; Power Dissipation of 500mW
- 高稳定性和可靠性。High Stability and High Reliability

机械数据 Mechanical Data

- 封装: LL-34 玻璃封装 Case: LL-34 Glass Case
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性(TA = 25℃ 除非另有规定)

Maximum Ratings & Thermal Characteristics (Ratings at 25℃ ambient temperature unless otherwise specified.)

参数 Parameters	符号 Symbol	数值 Value	单位 Unit
功率消耗 Power Dissipation	Pd	500 ¹⁾	mW
工作结温 Operating junction temperature	Tj	175	℃
存储温度 Storage temperature range	Ts	-55-+175	℃

1) Valid provided that electrodes are kept at ambient temperature

电特性 (TA = 25℃ 除非另有规定)

Electrical Characteristics (Ratings at 25℃ ambient temperature unless otherwise specified).

型号 TYPE	稳压范围 Zener Voltage			反向电流 Reverse Current		动态电阻 Dynamic Resistance	
	Vz(V)		测试条件 Test Condition	Ir(uA)	测试条件 Test Condition	rd(Ω)	测试条件 Test Condition
	Min.	Max.	Iz(mA)	Max.	Vr(V)	Max.	Iz(mA)
BZV55B 2V0	1.96	2.04	5.0	100	1.0	85	5.0
BZV55B 2V2	2.16	2.24	5.0	75	1.0	85	5.0
BZV55B 2V4	2.35	2.45	5.0	50	1.0	85	5.0
BZV55B 2V7	2.65	2.75	5.0	10	1.0	85	5.0
BZV55B 3V0	2.94	3.06	5.0	4	1.0	85	5.0
BZV55B 3V3	3.23	3.36	5.0	2	1.0	85	5.0
BZV55B 3V6	3.53	3.67	5.0	2	1.0	85	5.0
BZV55B 3V9	3.82	3.98	5.0	2	1.0	85	5.0
BZV55B 4V3	4.21	4.38	5.0	1	1.0	75	5.0
BZV55B 4V7	4.61	4.79	5.0	0.5	1.0	60	5.0
BZV55B 5V1	5.00	5.20	5.0	0.1	1.0	35	5.0
BZV55B 5V6	5.49	5.71	5.0	0.1	1.0	25	5.0
BZV55B 6V2	6.08	6.32	5.0	0.1	2.0	10	5.0
BZV55B 6V8	6.66	6.93	5.0	0.1	3.0	8	5.0
BZV55B 7V5	7.35	7.65	5.0	0.1	5.0	7	5.0
BZV55B 8V2	8.04	8.36	5.0	0.1	6.2	7	5.0

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	Min.	Max.	Iz(mA)	Max.	Vr(V)	Max.	Iz(mA)
BZV55B 9V1	8.92	9.28	5.0	0.1	6.8	10	5.0
BZV55B 10	9.80	10.20	5.0	0.1	7.5	15	5.0
BZV55B 11	10.78	11.22	5.0	0.1	8.2	20	5.0
BZV55B 12	11.76	12.24	5.0	0.1	9.1	20	5.0
BZV55B 13	12.74	13.25	5.0	0.1	10.0	26	5.0
BZV55B 15	14.70	15.29	5.0	0.1	11.0	30	5.0
BZV55B 16	15.68	16.31	5.0	0.1	12.0	40	5.0
BZV55B 18	17.64	18.35	5.0	0.1	13.0	50	5.0
BZV55B 20	19.60	20.39	5.0	0.1	15.0	55	5.0
BZV55B 22	21.56	22.43	5.0	0.1	16.0	55	5.0
BZV55B 24	23.52	24.47	5.0	0.1	18.0	80	5.0
BZV55B 27	26.46	27.53	5.0	0.1	20.0	80	5.0
BZV55B 30	29.40	30.59	5.0	0.1	22.0	80	5.0
BZV55B 33	32.34	33.65	5.0	0.1	24.0	80	5.0
BZV55B 36	35.28	36.71	5.0	0.1	27.0	80	5.0
BZV55B 39	38.22	39.76	2.5	0.1	30.0	90	2.5

Notes:

1) Tested with pulses $t_p = 20$ ms.

2) $V_F(\text{Max}) = 1.20\text{V}$ @ $I_F = 100\text{mA}$

3) The Zener voltages are graded according to the international E 24 standard. Smaller voltage tolerances and higher Zener voltages are upon request.

Typical Characteristics

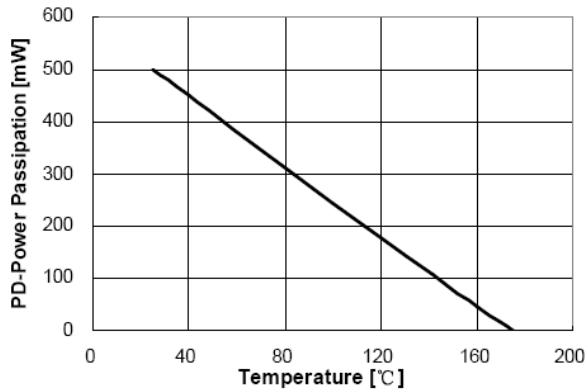


Figure 1. Power Dissipation vs Ambient Temperature
Valid provided leads at a distance of 0.8mm from case are kept at ambient temperature

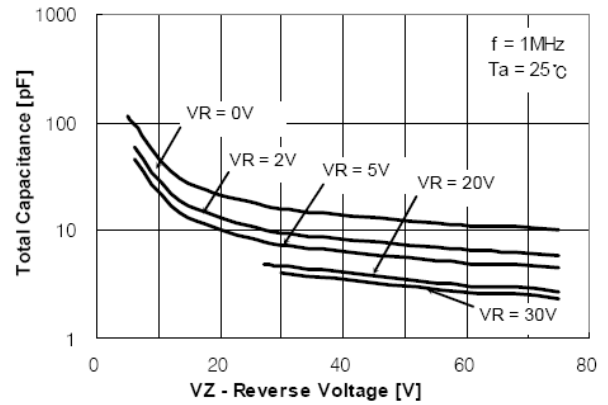


Figure 2. Total Capacitance

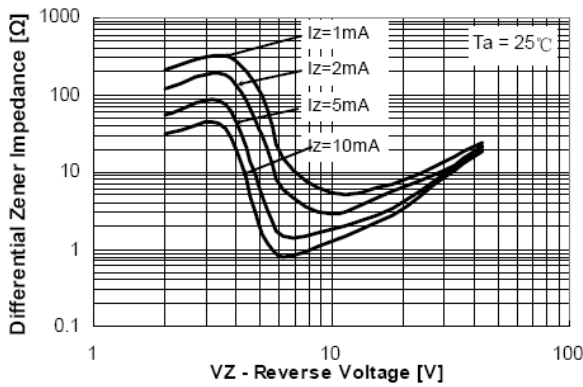


Figure 3. Differential Impedance vs. Zener Voltage

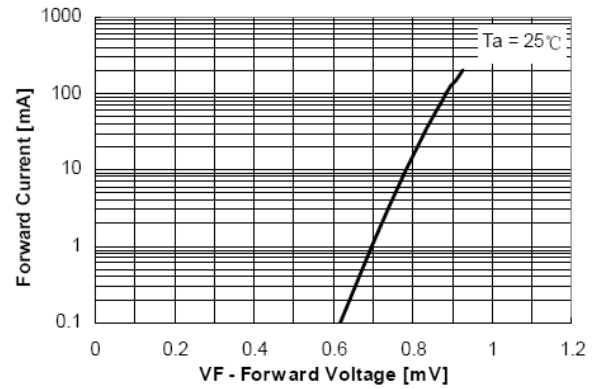


Figure 4. Forward Current vs. Forward Voltage

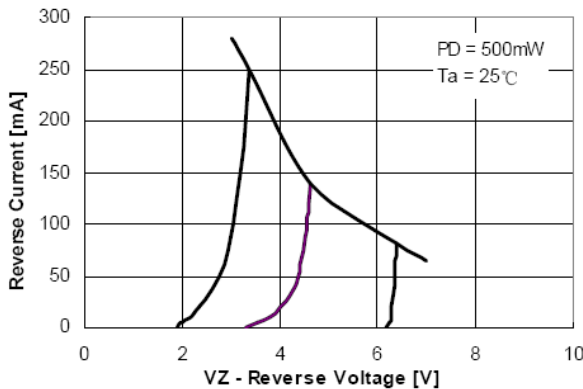


Figure 5. Reverse Current vs. Reverse Voltage

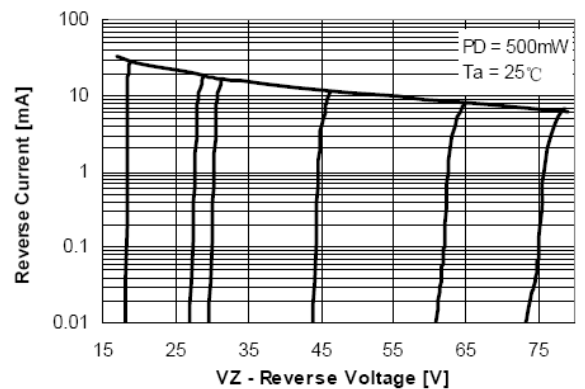


Figure 6. Reverse Current vs. Reverse Voltage