

### 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 <sup>1)</sup>	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)
BZV55C 2V0	1.80	2.15	5.0	100	1.0	85	5.0
BZV55C 2V2	2.08	2.33	5.0	75	1.0	85	5.0
BZV55C 2V4	2.28	2.56	5.0	50	1.0	85	5.0
BZV55C 2V7	2.50	2.90	5.0	10	1.0	85	5.0
BZV55C 3V0	2.80	3.20	5.0	4	1.0	85	5.0
BZV55C 3V3	3.10	3.50	5.0	2	1.0	85	5.0
BZV55C 3V6	3.40	3.80	5.0	2	1.0	85	5.0
BZV55C 3V9	3.70	4.10	5.0	2	1.0	85	5.0
BZV55C 4V3	4.00	4.60	5.0	1	1.0	75	5.0
BZV55C 4V7	4.40	5.00	5.0	0.5	1.0	60	5.0
BZV55C 5V1	4.80	5.40	5.0	0.1	1.0	35	5.0
BZV55C 5V6	5.20	6.00	5.0	0.1	1.0	25	5.0
BZV55C 6V2	5.80	6.60	5.0	0.1	2.0	10	5.0
BZV55C 6V8	6.40	7.20	5.0	0.1	3.0	8	5.0
BZV55C 7V5	7.00	7.90	5.0	0.1	5.0	7	5.0
BZV55C 8V2	7.70	8.70	5.0	0.1	6.2	7	5.0

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	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)
BZV55C 9V1	8.50	9.60	5.0	0.1	6.8	10	5.0
BZV55C 10	9.40	10.60	5.0	0.1	7.5	15	5.0
BZV55C 11	10.40	11.60	5.0	0.1	8.2	20	5.0
BZV55C 12	11.40	12.70	5.0	0.1	9.1	20	5.0
BZV55C 13	12.40	14.10	5.0	0.1	10.0	26	5.0
BZV55C 15	13.80	15.60	5.0	0.1	11.0	30	5.0
BZV55C 16	15.30	17.10	5.0	0.1	12.0	40	5.0
BZV55C 18	16.80	19.10	5.0	0.1	13.0	50	5.0
BZV55C 20	18.80	21.20	5.0	0.1	15.0	55	5.0
BZV55C 22	20.80	23.30	5.0	0.1	16.0	55	5.0
BZV55C 24	22.80	25.60	5.0	0.1	18.0	80	5.0
BZV55C 27	25.10	28.90	5.0	0.1	20.0	80	5.0
BZV55C 30	28.00	32.00	5.0	0.1	22.0	80	5.0
BZV55C 33	31.00	35.00	5.0	0.1	24.0	80	5.0
BZV55C 36	34.00	38.00	5.0	0.1	27.0	80	5.0
BZV55C 39	37.00	41.00	2.5	0.1	30.0	90	2.5

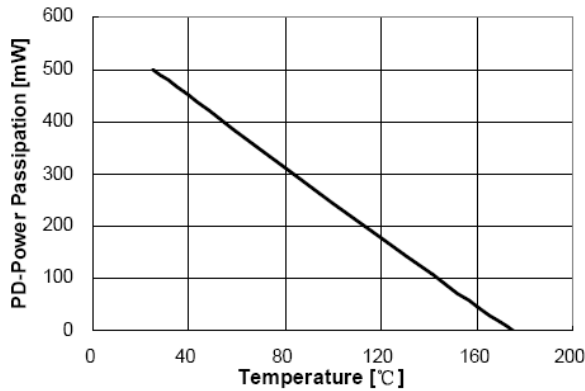
**Notes:**

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

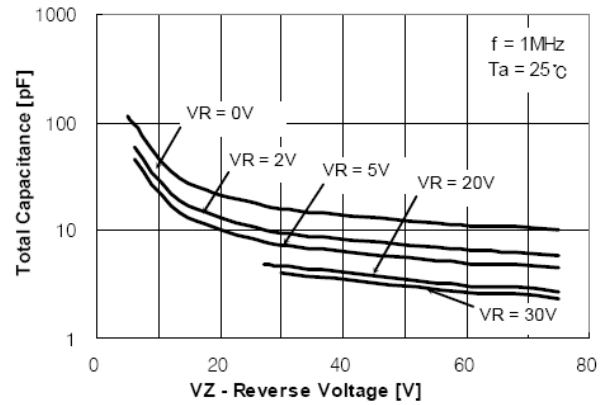
2)  $V_F(\text{Max}) = 1.20\text{V}@ I_F = 100\text{mA}$

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

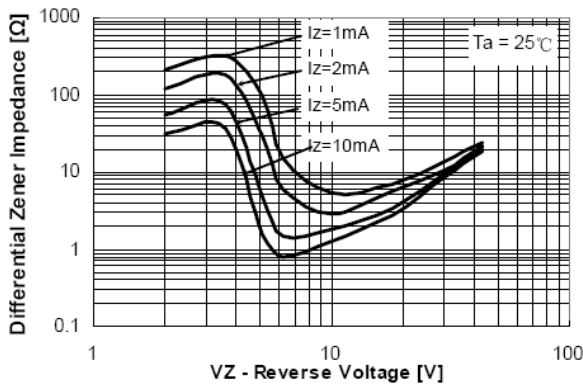
### Typical Characteristics



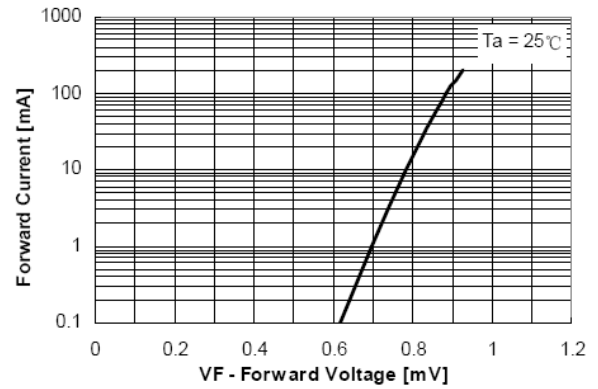
**Figure 1. Power Dissipation vs Ambient Temperature**  
Valid provided leads at a distance of 0.8mm from case are kept at ambient temperature



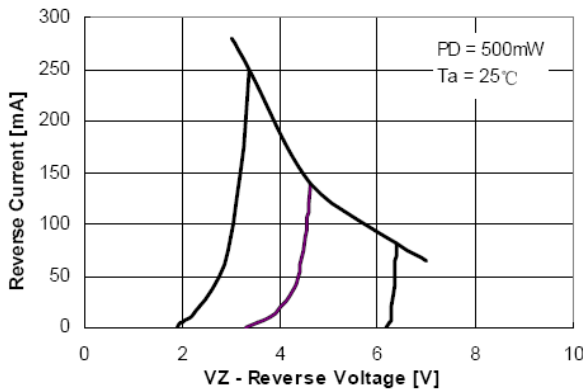
**Figure 2. Total Capacitance**



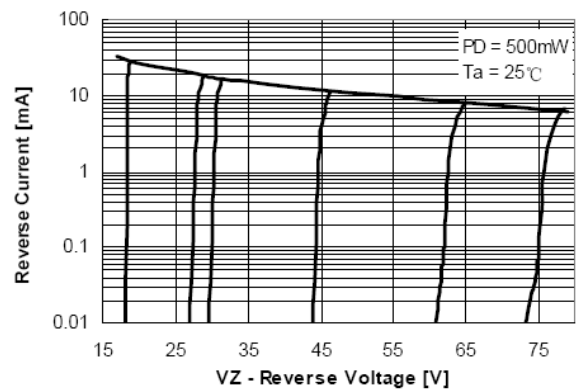
**Figure 3. Differential Impedance vs. Zener Voltage**



**Figure 4. Forward Current vs. Forward Voltage**



**Figure 5. Reverse Current vs. Reverse Voltage**



**Figure 6. Reverse Current vs. Reverse Voltage**