



特征 Features

- 反向漏电流小; Low Reverse Leakage
- 齐纳击穿阻抗低; Low Zener Impedance
- 最大功率耗散 1300mW; Power Dissipation of 1300mW
- 高稳定性和可靠性。High Stability and High Reliability

机械数据 Mechanical Data

- 封装: LL-41 玻璃封装 Case: LL-41 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°C 除非另有规定)

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

参数 Parameters	符号 Symbol	数值 Value	单位 Unit
功率消耗 Power Dissipation	Pd	1300	mW
工作结温 Operating junction temperature	Tj	200	°C
存储温度 Storage temperature range	Ts	-55-+175	°C

电特性 (TA = 25°C 除非另有规定)

Electrical Characteristics (Ratings at 25°C 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)		Test Condition	Ir(uA)	Test Condition	ZZT@IZT	ZZK @IZK		
	Min.	Max.	IzT(mA)	Max.	Vr(V)	Max.(Ω)	Max.(Ω)	IzK(mA)	
ZM 85C 2V7	2.5	2.9	80.0	150	1.0	20	400	1.0	
ZM 85C 3V0	2.8	3.2	80.0	100	1.0	20	400	1.0	
ZM 85C 3V3	3.1	3.5	70.0	40	1.0	20	400	1.0	
ZM 85C 3V6	3.4	3.8	60.0	20	1.0	15	500	1.0	
ZM 85C 3V9	3.7	4.1	60.0	10	1.0	15	500	1.0	
ZM 85C 4V3	4.0	4.6	50.0	3	1.0	13	500	1.0	
ZM 85C 4V7	4.4	5.0	45.0	3	1.0	13	600	1.0	
ZM 85C 5V1	4.8	5.4	45.0	1	1.5	10	500	1.0	
ZM 85C 5V6	5.2	6.0	45.0	1	2.0	7	400	1.0	
ZM 85C 6V2	5.8	6.6	35.0	1	3.0	4	300	1.0	
ZM 85C 6V8	6.4	7.2	35.0	1	4.0	3.5	300	1.0	
ZM 85C 7V5	7.0	7.9	35.0	1	4.5	3	200	0.5	
ZM 85C 8V2	7.7	8.7	25.0	1	6.2	5	200	0.5	
ZM 85C 9V1	8.5	9.6	25.0	1	6.8	5	200	0.5	
ZM 85C 10	9.4	10.6	25.0	0.5	7.0	7	200	0.5	
ZM 85C 11	10.4	11.6	20.0	0.5	8.2	8	300	0.5	
ZM 85C 12	11.4	12.7	20.0	0.5	9.1	9	350	0.5	

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	Vz(V)		Test Condition	Ir(uA)	Test Condition	ZZT@IZT	ZZK @IZK	
	Min.	Max.	IzT(mA)	Max.	Vr(V)	Max.(Ω)	Max.(Ω)	IzK(mA)
ZM 85C 13	12.4	14.1	20.0	0.5	10.0	10	400	0.5
ZM 85C 15	13.8	15.6	15.0	0.5	11.0	15	500	0.5
ZM 85C 16	15.3	17.1	15.0	0.5	12.0	15	500	0.5
ZM 85C 18	16.8	19.1	15.0	0.5	13.0	20	500	0.5
ZM 85C 20	18.8	21.2	10.0	0.5	15.0	24	600	0.5
ZM 85C 22	20.8	23.3	10.0	0.5	16.0	25	600	0.5
ZM 85C 24	22.8	25.6	10.0	0.5	18.0	25	600	0.5
ZM 85C 27	25.1	28.9	8.0	0.5	20.0	30	750	0.25
ZM 85C 30	28	32	8.0	0.5	22.0	30	1000	0.25
ZM 85C 33	31	35	8.0	0.5	24.0	35	1000	0.25
ZM 85C 36	34	38	8.0	0.5	27.0	40	1000	0.25
ZM 85C 39	37	41	6.0	0.5	30.0	50	1000	0.25

Notes:

- 1) Tested with pulses $t_p = 20$ ms.
- 2) $V_F(\text{Max}) = 1.00\text{V} @ I_F = 200\text{mA}$

Breakdown characteristics

at $T_j = \text{constant}$ (pulsed)

