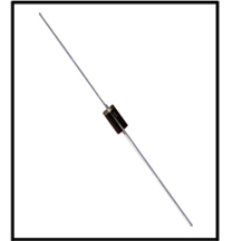


特性/机械性能:
FEATURES/MECHANICAL DATE

- ◆ 小电流下的齐纳阻抗低 Zener shed little electric impedance is low
- ◆ 高可靠性 High reliability
- ◆ 耐焊接热: 轴向产品250°C/10S, 引出端0.375" (9.5mm) 处。
 Welding heat resistance: Axial product 250 °C / 10S, terminal 0.375 "(9.5 mm).
- ◆ 封装: 模塑封装 Case: Molded plastic
- ◆ 引线: 电镀可焊性符合MIL-STD-202E, 方法208C
 Lead: Solderable per MIL-STD-202, method 208 guaranteed
- ◆ 极性: 色环表示阴极 Polarity: Color band denotes cathode
- ◆ 安装位置: 任意 Mounting position: Any



DO-15

最大额定值及电气特性:
MAXIMUM RATINGS AND CHARACTERISTICS

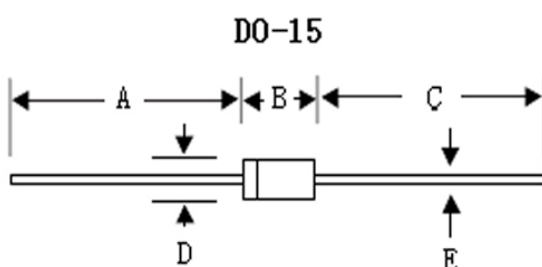
测量环境温度为25°C, 除非另有规定。

Rating at 25°C ambient temperature unless otherwise specified.

参数名称 Papt Number	符号Symbol	数值Value	单位Unit
齐纳电流 The zener current	I _Z MAX	见表See table	mA
耗散功率@Ta=75°C Power Dissipation@Ta=75°C	P _t	2.5	W
正向电压@IF=200mA Forward voltage@IF=200mA	V _F	1.2	V
热阻抗 Thermal impedance	R _θ (ja)	20	°C/W
使用及储存温度范围Operating and Storage Temperature Range	T _J , T _{STG}	-55~+150	°C

注 释: 轴向产品距离管体9.5mm引线处的温度, 设定为环境温度。

Notes: Axial lead product tube 9.5 mm lead in body temperature, set to ambient temperature.

产品外形尺寸:
PRODUCT APPEARANCE SIZE


DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	1.0		25.4	
B	0.230	0.300	5.8	7.6
C	1.0		25.4	
D	0.104	0.140	2.60	3.60
E	0.028	0.034	0.71	0.86

电特性:
ELECTRICAL CHARACTERISTICS

型号 TYPE	齐纳电压 Zener voltage		最大齐纳阻抗 Maximum dynamic resistance			最大反向漏电流 Maximum Leakage Current @VR		最大直流齐纳 电流Maximum DC zener current
	V Z@IZT	IZT	Z ZT @IZT	Z ZK @IZK	I ZK	IR@VR	VR	I ZM@50°C
	V	mA	Ω	Ω	mA	μA	V	mA
1N5016	6.8	92	1.8	700	0.5	10	4.8	350
1N5017	7.5	83	1.9	700	0.5	10	5.3	317
1N5018	8.2	76	2.1	700	0.5	10	5.8	290
1N5019	9.1	69	2.4	700	0.5	10	6.6	262
1N5020	10	62	3	700	0.25	10	7.2	238
1N5021	11	57	3.6	700	0.25	10	8	216
1N5022	12	52	4.2	700	0.25	10	8.6	196
1N5023	13	48	4.8	700	0.25	10	9.4	183
1N5024	14	45	5.4	700	0.25	10	10.1	170
1N5025	15	42	6	700	0.25	10	10.8	159
1N5026	16	39	6.6	700	0.25	10	11.6	149
1N5027	17	37	7.2	700	0.25	10	12.3	140
1N5028	18	35	7.8	750	0.25	10	13	132
1N5029	19	33	8.4	750	0.25	10	13.7	125
1N5030	20	31	9	750	0.25	10	14.4	119
1N5031	22	26	9.6	750	0.25	10	15.9	106
1N5032	24	26	10	750	0.25	10	17.3	99
1N5033	25	26	11	750	0.25	10	18.1	99
1N5034	27	23	12	750	0.25	10	19.5	88
1N5035	30	21	15	1000	0.25	10	21.7	79
1N5036	33	19	18	1000	0.25	10	23.9	72
1N5037	36	17	21	1000	0.25	10	26	66
1N5038	39	16	24	1000	0.25	10	28.1	61
1N5039	43	15	27	1500	0.25	10	31.1	55
1N5040	45	14	30	1500	0.25	10	32.5	53
1N5041	47	13	33	1500	0.25	10	33.9	50
1N5042	50	12	36	1500	0.25	10	36.1	47
1N5043	51	12	36	1500	0.25	10	36.9	46
1N5044	52	12	39	2000	0.25	10	37.5	45
1N5045	56	11	45	2000	0.25	10	40.5	42
1N5046	62	10	51	2000	0.25	10	44.8	38
1N5047	68	9.2	57	2000	0.25	10	49.2	35
1N5048	75	8.3	66	2000	0.25	10	54.1	31
1N5049	82	7.6	78	3000	0.25	10	59.2	29
1N5050	91	6.9	90	3000	0.25	10	65.8	26
1N5051	100	6.2	120	3000	0.25	10	72.2	23

注释:Notes:

1. 标准型的齐纳电压值偏差为10%；附加标“B”的特选型，其偏差为5%。
 2. 表面贴装型将“1N”改为“1SMB”。
 3. 对于齐纳阻抗， $I(ac\ rms) = 10\% I_{zt}$
 4. 对于齐纳拐点阻抗， $I(ac\ rms) = 10\% I_{zk}$
 5. 这里的最大齐纳电流值并非绝对的，在实际稳态应用中，应保证电压和电流的乘积不超过额定功率值。
- 1.The zener voltage value of the standard deviation is 10%; Additional standard "A", type selection, the deviation of 5%.
 - 2.Surface-mount type "1N" to "1SMB".
 - 3.The zener impedance, $I_{zt}(ac\ RMS) = 10\%$.
 4. The zener inflection point impedance, $I_{zk}(ac\ RMS) = 10\%$.
 5. Here is one of the most DaJi, current value is not absolute, in the practical application of the steady state, shall ensure that the product of the voltage and current shall not exceed the rated power value.

特性曲线图：
RATINGS AND CHARACTERISTIC CURVES
