

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: 250°C/10S, 引出端0.375" (9.5mm) 处。

Welding heat resistance: 250 °C / 10S, terminal 0.375 "(9.5 mm).

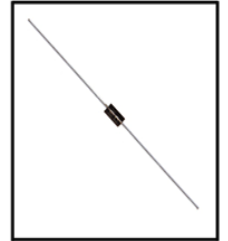
- ◆ 封装: 模塑封装 Case: Molded plastic

- ◆ 引线: 电镀可焊性符合MIL-STD-202E, 方法208C

Lead: Axial 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-41

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

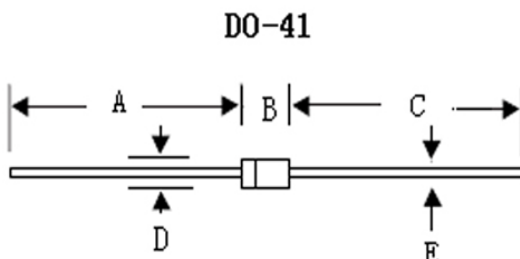
测量环境温度为25°C, 除非另有规定。

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	Iz MAX	见表See table	mA
耗散功率@Ta=75°C Power Dissipation@Ta=75°C	Pt	1.0	W
正向电压@IF=200mA Forward voltage@IF=200mA	Vf	1.2	V
使用温度范围 Operating Temperature Range	Rθ (ja)	32	°C/W
储存温度范围 Storage Temperature Range	Tstg	65~+175	°C

注释: 距离管体9.5mm引线处的温度, 设定为环境温度。

Notes: The distance between the pipe body. The temperature of the 9.5 mm wire, 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	0.161	0.205	4.1	5.2
C	1.0		25.4	
D	0.080	0.107	2.0	2.7
E	0.028	0.034	0.71	0.86

[1AZ Series]
Silicon Zener Diodes 稳压二极管 ZENER
电特性:
ELECTRICAL CHARACTERISTICS

型号 TYPE	齐纳电压 Zener voltage			测试电流 Test current	齐纳阻抗 dynamic resistance	最大反向漏电流 Maximum Leakage Current @VR		温度系数 Temperature coefficient
	Vz min	Vz TYP	Vz max	I ZK	ZZTmax @I ZT	IR@VR	VR	$\alpha T(Mv/^{\circ}C)$
	V	V	V	mA	Ω	μA	V	Max
1AZ6.8	6.2	6.8	7.4	10	60	10	3.0	4
1AZ7.5	6.8	7.5	8.3	10	30	10	4.5	5
1AZ8.2	7.4	8.2	9.1	10	30	10	4.9	6
1AZ9.1	8.2	9.1	10.1	10	30	10	5.5	8
1AZ10	9.0	10	11.0	10	30	10	6.0	9
1AZ11	9.9	11	12.1	10	30	10	7.0	11
1AZ12	10.8	12	13.2	10	30	10	8.0	13
1AZ13	11.7	13	14.3	10	30	10	9.0	14
1AZ15	13.5	15	16.5	10	30	10	10.0	17
1AZ16	14.4	16	17.6	10	30	10	11.0	19
1AZ18	16.2	18	19.8	10	30	10	13.0	23
1AZ20	18.0	20	22.0	10	30	10	14.0	26
1AZ22	19.8	22	24.2	10	30	10	16.0	28
1AZ24	21.6	24	26.4	10	30	10	17.0	32
1AZ27	24.3	27	29.7	10	30	10	19.0	36
1AZ30	27.0	30	33.0	10	30	10	21.0	40
1AZ33	29.7	33	36.3	10	30	10	26.4	41
1AZ36	32.4	36	39.6	10	30	10	28.8	45
1AZ47	42.3	47	51.7	10	65	10	37.6	60
1AZ51	45.9	51	56.1	10	65	10	40.8	68
*1AZ200	180	200	220	1.5	500	10	160	269
*1AZ220	198	220	242	0.5	5000	10	176	309
*1AZ220-Y	210	220	230				176	309
*1AZ220-Z	220	230	240				184	320
*1AZ240	216	240	264	0.5	5000	10	192	343
*1AZ240-Y	230	240	250				216	325
*1AZ240-Z	240	250	260				225	338
*1AZ270	243	270	297	0.5	5000	10	216	385
*1AZ270-X	250	260	270				234	350
*1AZ270-Y	260	270	280				243	362
*1AZ270-Z	270	280	290				252	374
*1AZ300	270	300	330	0.5	5000	10	240	428
*1AZ300-X	280	290	300				261	388
*1AZ300-Y	290	300	310				270	402
*1AZ300-Z	300	310	320				279	415
*1AZ330	297	330	363	0.5	5000	10	264	470
*1AZ330-X	310	320	330				288	428
*1AZ330-Y	320	330	340				297	441
*1AZ330-Z	330	340	350				306	455

电特性:

ELECTRICAL CHARACTERISTICS

注:

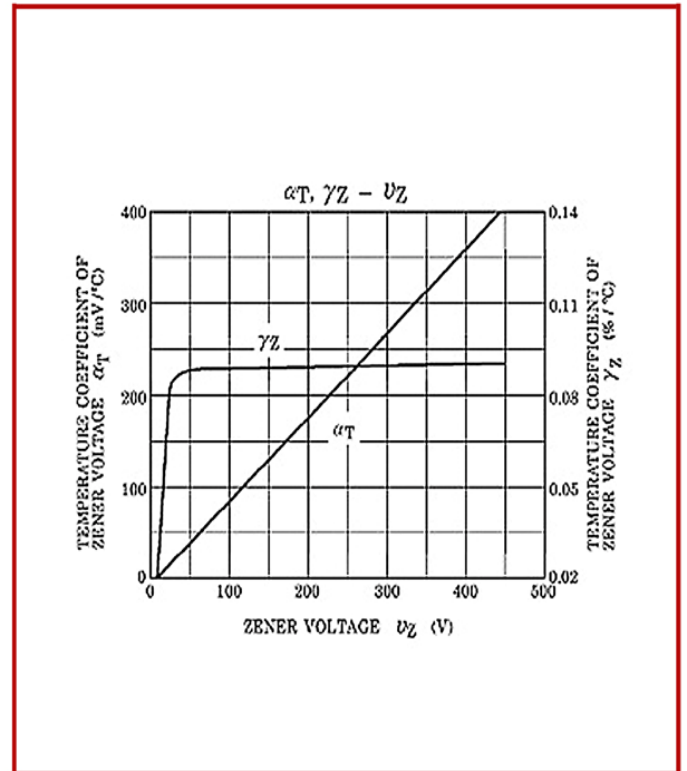
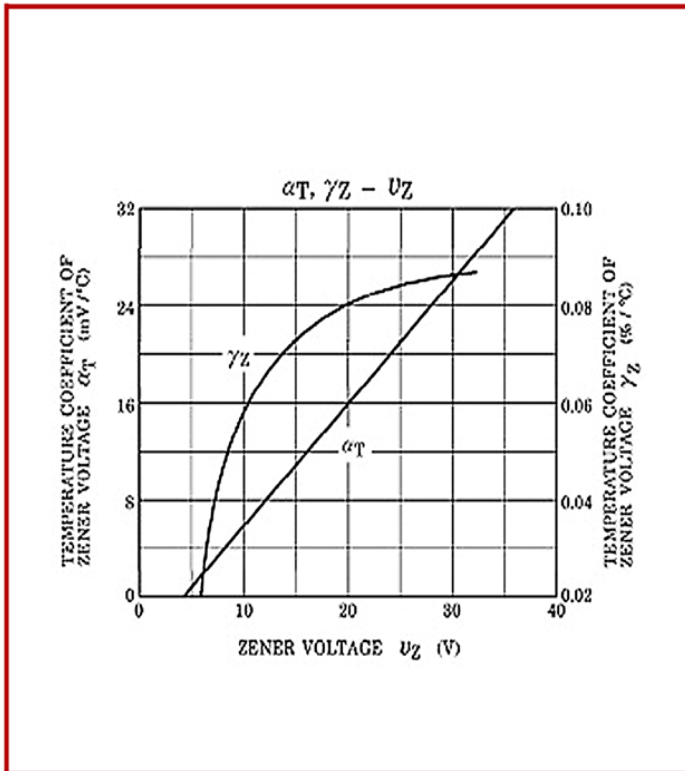
- 1、标准型的齐纳电压值偏差为10%。
- 2、* 参订单要求。

Note:

- 1、Zener voltage value of the standard deviation of 10%.
- 2、* and order requirements .

特性曲线图:

RATINGS AND CHARACTERISTIC CURVES



特性曲线图:
RATINGS AND CHARACTERISTIC CURVES
