

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).

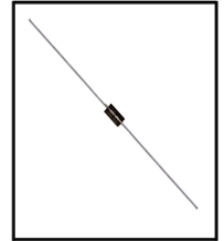
- ◆ 封装: 模塑封装 Case: Molded plastic

- ◆ 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

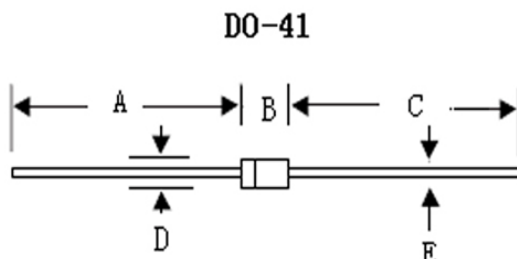
测量环境温度为25°C, 除非另有规定。

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	I _Z MAX	见表See table	mA
耗散功率@Ta=75°C Power Dissipation@Ta=75°C	P _t	1.0	W
正向电压@IF=200mA Forward voltage@IF=200mA	V _F	1.2	V
使用温度范围 Operating Temperature Range	T _J	-40~+150	°C
储存温度范围 Storage Temperature Range	T _{STG}	-40~+150	°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


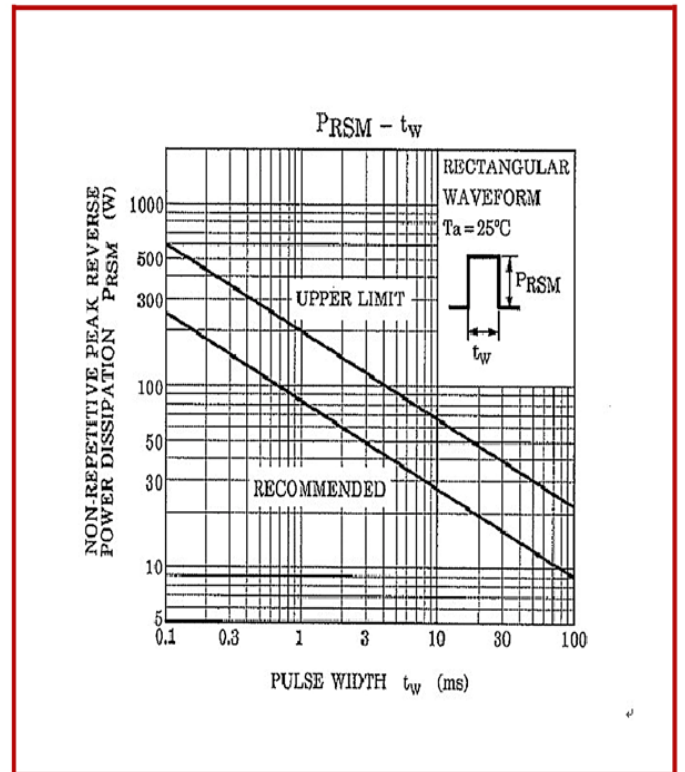
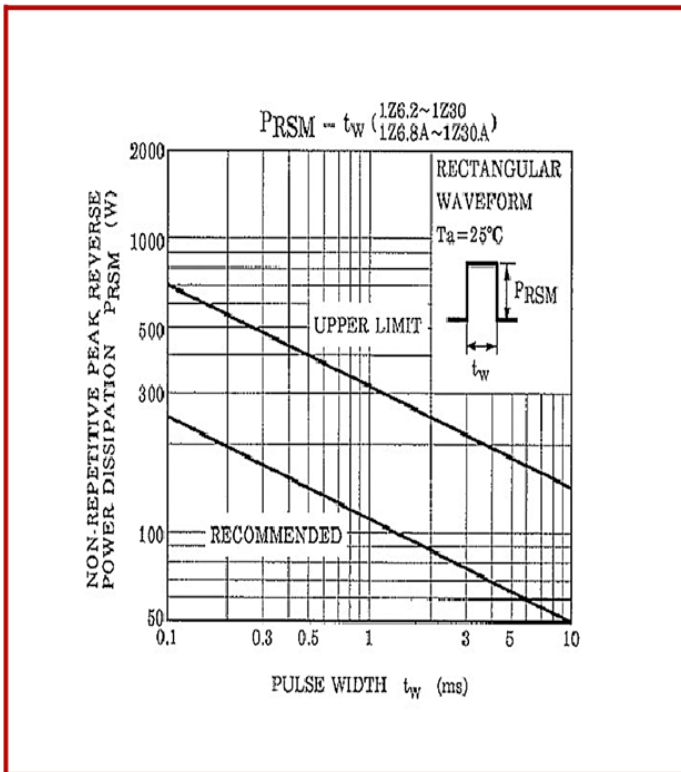
DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	1.0		25.4	
B	0.161	0.205	4.1	5.2
C	1.0		25.4	
D	0.080	0.107	2.0	2.7
E	0.028	0.034	0.71	0.86

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	温度系数 Temperature coefficient		反向电压 Reverse voltage@ IR≤10μA	正向压降 Forward voltage @ IF=0.2A
	Vz min	Vz TYP	Vz max	IZK	ZZTmax @IZT	αVZ TYP @IZT	αVZmax @IZT	VR	VFmax @IF=0.2A
	V	V	V	mA	Ω	mv /°C	mv /°C	V	V
1Z6.8	6.2	6.8	7.4	10	60	3	4	2	1.2
1Z6.8A	6.45	6.8	7.14	10	60	3	4	2	1.2
1Z7.5	6.8	7.5	8.3	10	30	4	5	4.5	1.2
1Z7.5A	7.13	7.5	7.87	10	30	4	5	4.5	1.2
1Z8.2	7.4	8.2	9.1	10	30	4	6	4.9	1.2
1Z8.2A	7.79	8.2	86.1	10	30	4	6	4.9	1.2
1Z9.1	8.2	9.1	10.1	10	30	5	8	5.5	1.2
1Z9.1A	8.65	9.1	9.55	10	30	5	8	5.5	1.2
1Z10	9.0	10	11.0	10	30	6	9	6	1.2
1Z10A	9.5	10	10.5	10	30	6	9	6	1.2
1Z11	9.9	11	12.1	10	30	7	11	7	1.2
1Z11A	10.5	11	11.5	10	30	7	11	7	1.2
1Z12	10.8	12	13.2	10	30	8	13	8	1.2
1Z12A	11.4	12	12.6	10	30	8	13	8	1.2
1Z13	11.7	13	14.3	10	30	9	14	9	1.2
1Z13A	12.4	13	13.6	10	30	9	14	9	1.2
1Z15	13.5	15	16.5	10	30	11	17	10	1.2
1Z15A	14.3	15	15.8	10	30	11	17	10	1.2
1Z16	14.4	16	17.6	10	30	12	19	11	1.2
1Z16A	15.2	16	16.8	10	30	12	19	11	1.2
1Z18	16.2	18	19.8	10	30	14	23	13	1.2
1Z18A	17.1	18	18.9	10	30	14	23	13	1.2
1Z20	18.0	20	22.0	10	30	16	26	14	1.2
1Z20A	19.0	20	21	10	30	16	26	14	1.2
1Z22	19.8	22	24.2	10	30	18	28	16	1.2
1Z22A	20.9	22	23.1	10	30	18	28	16	1.2
1Z24	21.6	24	26.4	10	30	20	32	17	1.2
1Z24A	22.8	24	25.2	10	30	20	32	17	1.2
1Z27	24.3	27	29.7	10	30	23	36	19	1.2
1Z27A	25.7	27	28.3	10	30	23	36	19	1.2
1Z30	27.0	30	33.0	10	30	25	40	21	1.2
1Z30A	28.5	30	31.5	10	30	25	40	21	1.2
1Z33	29.7	33	36.3	10	30	26	41	26.4	1.2
1Z36	32.4	36	39.6	9	30	28	45	28.8	1.2
1Z43	38.7	43	47.3	7	40	33	53	34.4	1.2
1Z47	42.3	47	51.7	6	65	38	60	37.6	1.2
1Z51	45.9	51	56.1	6	65	43	68	40.8	1.2
1Z68	61.2	68	74.8	4	120	57	90	54.4	1.2

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	Vz min	Vz TYP	Vz max	IZK	ZZTmax @IZT	αVZ TYP @IZT	αVZmax @IZT	VR	VFmax @IF=0.2A
	V	V	V	mA	Ω	mv/°C	mv/°C	V	V
1Z75	67.5	75	82.5	4	150	66	104	60	1.2
1Z82	73.8	82	90.2	3	170	71	113	65.4	1.2
1Z100	90	100	110	3	300	87	138	80	1.2
1Z110	99	110	121	3	300	96	152	88	1.2
1Z150	135	150	165	2	450	136	212	120	1.2
1Z180	162	180	198	1.5	500	161	255	144	1.2
1Z330	297	330	363	1	5000	297	472	264	1.2
1Z390	351	390	429	0.5	10000	350	555	312	1.2

特性曲线图:
RATINGS AND CHARACTERISTIC CURVES


特性曲线图:

RATINGS AND CHARACTERISTIC CURVES

