

特性/机械性能:

FEATURES/MECHANICAL DATE

- ◆ 500W 峰值脉冲功率 500W peak pulse power capability
- ◆ 优良的箝制能力 Excellent clamping capability
- ◆ 较小的箝位因子 Smaller clamping factor
- ◆ 快速响应时间: 从: 0 v到 VBR, 单向型小于1.0ps, 双向型小于5.0ns
Fast response time: typically less than 1.0ps from 0v to VBR for unidirectional and 5.0ns for bidirectional types.
- ◆ 耐焊接热: 250℃/10S, 引出端0.375" (9.5mm) 处
Resistance to soldering heat:250 °C /10S,terminal 0.375" (9.5mm) mm.
- ◆ 封 装: 模塑封装 Case: Molded plastic
- ◆ 塑封材料: 用UL94V-0认可的阻燃环氧料 Epoxy: UL94V-0 rate flame retardant
- ◆ 引 线: 电镀轴式引线可焊性符合MIL-STD-202,方法208
Lead: Axial lead solderable per MIL-STD-202, method 208
- ◆ 极 性: 色带表示阴极, Polarity: Color band denotes cathode except Bipolar
- ◆ 安装位置: 任意 Mounting position: Any



D0-41

最大额定值及电气特性:

MAXIMUM RATINGS AND CHARACTERISTICS

测量环境温度为25℃, 除非另有规定。

Rating at 25℃ ambient temperature unless otherwise specified.

参 数 名 称 Papt Number	符号Symbol	额 定 值 Value	单位Unit
最大峰值脉冲功率 Peak power dissipation	Pppm	最小 (Min) 500	W
最大峰值反向脉冲电流 (注释1) Peak pulse reverse current (Note1)	Ippm	见表 (See Table)	A
稳态功率 (注释2) Steady state power dissipation (Note2)	Pm(AV)	3.0	W
工作及储存温度 Operating and Storage Temperature Range	TJ,TSTG	-55~+175	℃

注 释: NOTES:

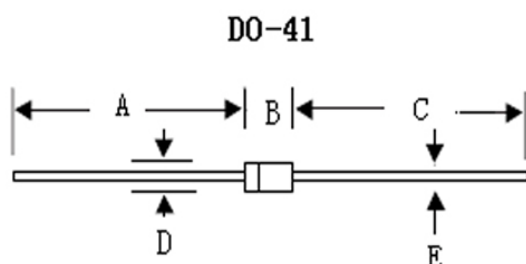
1. 脉冲电流时间10 / 1000μs。 10 / 1000μs waveform non-repetitive current pulse
2. T1=75℃, 在引线9.5mm处。 T1=75℃, lead lengths 0.375inches.

双向型器件应用说明:DEVICES FOR BIDIRECTIONAL APPLICATIONS :

- 1.在型号名称后注有C 或CA, 表示双向型。 For bidirectional use C or CA suffix for types
- 2.电气特性适用于两个方向。 Electrical characteristics apply in both directions.

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

[SAC Series]

Transient Voltage Suppressor 瞬变电压抑制二极管 TVS

电特性:

ELECTRICAL CHARACTERISTICS

型号	击穿电压		测试电流	变位电压	最大反向漏 电流@VWM	最大峰值 脉冲浪涌 电流	最大箝位 电压 @Ippm	反向工作 截止电压	最大反向 截止电流 @ VW IB	峰值反向 截止电压	最大结电容
	V(BR)(注释1)		IT	VWM	ID(注释2)	Ippm	VC	VWIB	IIB	VPIB	
	V最小	V最大	mA	V	A	A	V	(V)	mA	(V)	PF
SAC5.0	7.60	9.21	1.0	5.0	300	44	10.0	75	1.0	100	50
SAC6.0	7.90	9.51	1.0	6.0	300	41	11.2	75	1.0	100	50
SAC7.0	8.33	10.2	1.0	7.0	300	38	12.6	75	1.0	100	50
SAC8.0	8.89	10.9	1.0	8.0	100	36	13.4	75	1.0	100	50
SAC8.5	9.44	11.5	1.0	8.5	50	34	14.0	75	1.0	100	50
SAC10	11.10	13.6	1.0	10	5.0	29	16.3	75	1.0	100	50
SAC12	13.30	16.3	1.0	12	5.0	25	19.0	75	1.0	100	50
SAC15	16.70	20.4	1.0	15	5.0	20	23.6	75	1.0	100	50
SAC18	20.00	24.4	1.0	18	5.0	15	28.8	75	1.0	100	50
SAC22	24.40	29.8	1.0	22	5.0	14	35.4	75	1.0	100	50
SAC26	28.90	35.3	1.0	26	5.0	11.1	42.3	75	1.0	100	50
SAC30	33.30	40.7	1.0	30	5.0	10	48.6	75	1.0	100	50
SAC36	40.00	48.9	1.0	36	5.0	8.6	60.0	75	1.0	100	50
SAC45	50.00	61.4	1.0	45	5.0	6.8	77.0	150	1.0	200	50
SAC50	55.50	68.3	1.0	50	5.0	5.8	88.0	150	1.0	200	50

注释：附加下标“A”其偏差为±5%。

特性曲线图:

RATINGS AND CHARACTERISTIC CURVES

FIG.1- PEAK PULSE POWER RATING CURVE

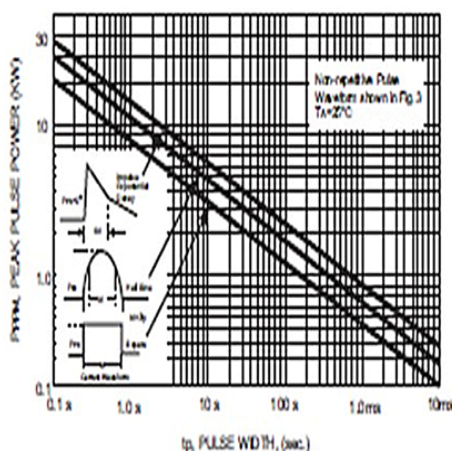


FIG.2- PULSE DERATING CURVE

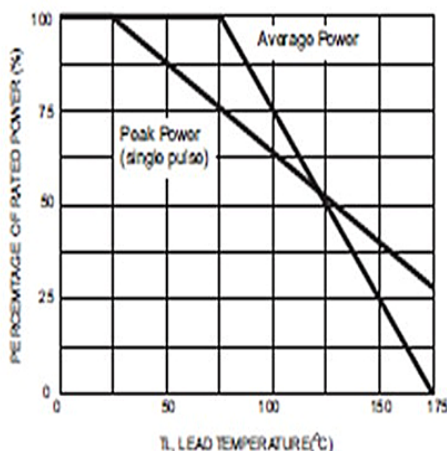


FIG.3- PULSE WAVEFORM

