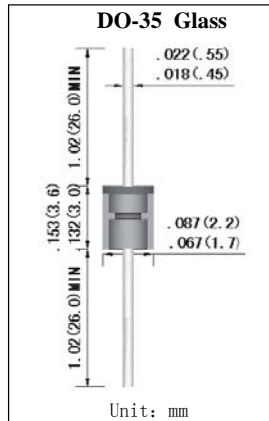


## 双向触发二极管

## SILICON BIDIRECTIONAL DIAC



## 特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力较强 High forward surge capability
- 高温焊接保证 High temperature soldering guaranteed:  
260°C/10 秒, 0.375" (9.5mm)引线长度。  
260°C/10 seconds, 0.375" (9.5mm) lead length,
- 引线可承受5 磅 (2.3kg) 拉力。 5 lbs. (2.3kg) tension
- 引线和管体皆符合RoHS标准。  
Lead and body according with RoHS standard

## 机械数据 Mechanical Data

- 端子: 镀锡轴向引线 Terminals: Plated axial leads
- 安装位置: 任意 Mounting Position: Any

## 极限参数 (LIMITING VALUES)

符号 Symbols	参数 Parameters		Value		单位 Unit
			DB3/DB4		
$P_c$	功耗 Power Dissipation	$T_A=50^\circ\text{C}$	150		mW
$I_{TRM}$	峰值脉冲电压 Repetitive Peak on-state Current	$t_p=10\mu\text{S}$ $F=100\text{Hz}$	2.0		A
$T_{STG}$	贮存 温度范围 Storage Temperature		-40 to +125		$^\circ\text{C}$
$T_J$	工作结温范围 Operating Junction Temperature		-40 to +100		$^\circ\text{C}$

## 电特性 (ELECTRICAL CHARACTERISTICS)

符号 Symbols	参数 Parameters	测试条件 Test Conditions	Value		单位 Unit	
			DB3	DB4		
$V_{BO}$	击穿电压 Breakover Voltage [Note 2]	$C=22\text{nF}$ [Note 2] See Diagram 1	Min	28	35	V
			Typ	32	40	
			Max	36	45	
$ +V_{BO}  -  V_{BO} $	击穿电压对称性 Breakover Voltage Symmetry	$C=22\text{nF}$ [Note 2] See Diagram 1	Max	$\pm 3$		V
$I \pm \Delta V_I$	动态回弹电压 Dynamic Breakover Voltage [Note 1]	$\Delta I = [I_{BO} \text{ to } I_F=10\text{mA}]$ See Diagram 1	Min	5		V
$V_o$	输出电压 Output Voltage [Note 1]	See Diagram 2	Min	5		V
$I_{BO}$	击穿电流 Breakover Current [Note 1]	$C=22\text{nF}$ [Note 2]	Max	100		$\mu\text{A}$
$t_r$	上升时间 Rise Time [Note 1]	See Diagram 3	Typ	1.5		$\mu\text{S}$
$I_B$	漏电流 Leakage Current [Note 1]	$V_{BO}=0.5\text{V max}$ See Diagram 1	Max	10		$\mu\text{A}$
$I_P$	峰值电流 Peak Current [Note 1]	See Diagram 2 (Gate)	Min	0.3		A

Notes:1.Electrical characteristics applicable in both forward and reverse directions.

2.Connected in parallel with the devices.

DIAGRAM 1: Current-voltage characteristics

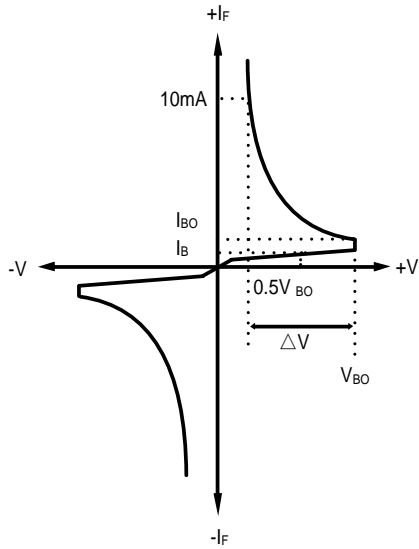


DIAGRAM 2: Test circuit for output voltage

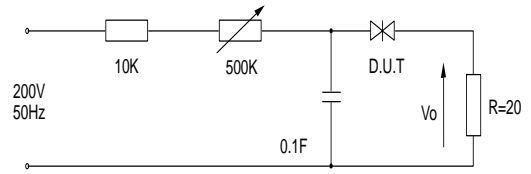


DIAGRAM 3: Test circuit see diagram 2

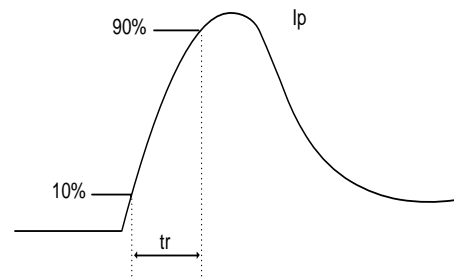


FIG.1-Power dissipation versus ambient temperature ( maximum values )

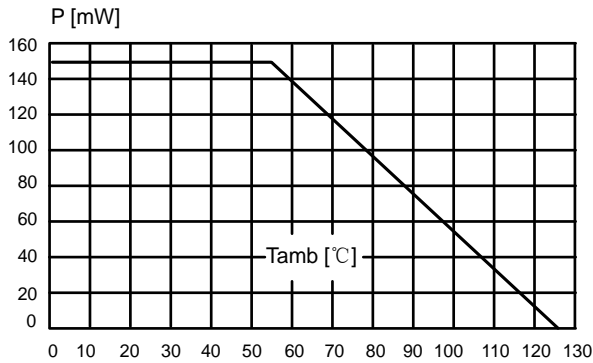


FIG.2-Peak pulse current versus pulse duration ( maximum values )

