



双向触发管 Silicon Bidirectional DIACS

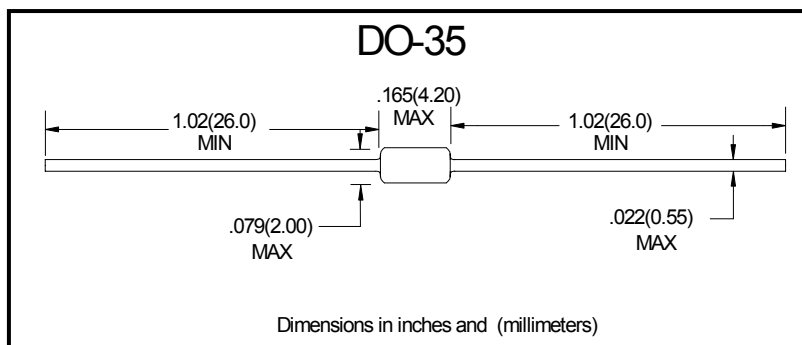
■特征 Features

- P_C 150mW
- V_{BO} 28V-36V

■用途 Applications

- 触发作用 Trigger action

■外形尺寸和印记 Outline Dimensions and Mark



■极限值（绝对最大额定值）

Limiting Values (Absolute Maximum Rating)

参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	最大值 Max
功率消耗 Power dissipation	P_D	mW	在印刷电路板上 (L=10毫米), $T_A=50^\circ\text{C}$ on printed circuit(L=10mm), $T_A=50^\circ\text{C}$	150
重复峰值开态电流 Repetitive peak on-state current	I_{FRM}	A	$tp=10\mu\text{s}$, $f=100\text{Hz}$	2.0
存储温度和工作结温 Storage and operating junction temperature	T_{STG}/T_J	$^\circ\text{C}$		-40 to +125

■电特性 ($T_a=25^\circ\text{C}$ 除非另有规定)Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	最大值 Max	
转折电压 ¹⁾ Break-over voltage	V_{BO}	V	$C = 22\text{nF}^{(2)}$	Min	28
				Typ	32
				Max	36
转折电压对称值 Break-over voltage symmetry	$ +V_{BO} - -V_{BO} $	V	$C = 22\text{nF}^{(2)}$	Max	3
动态转折电压 Dynamic break-over voltage	$ \pm \Delta V $		$\Delta I_{BO} \text{ to } I_F=10\text{mA} $	Min	5
输出电压 ¹⁾ Output voltage	V_O	V	见图2 See Fig 2	Min	5
转折电流 ¹⁾ Break-over current	I_{BO}	μA	$C = 22\text{nF}^{(2)}$	Max	100
上升时间 ¹⁾ Rise time	t_r	μs	见图3 See Fig 3	Typ	1.5
漏电流 ¹⁾ Leakage current	I_B	μA	$I_B = 0.5 V_{BO} \text{ max}$	Max	10

备注: Notes:

¹⁾ 电气特性适合于正向和反向。

Electrical characteristics applicable in both forward and reverse directions.

²⁾ 平行连接的装置

Connected in parallel with the devices

■特性曲线（典型） Characteristics(Typical)

图1: 电流电压特性
FIG1: Current Voltage Characteristics

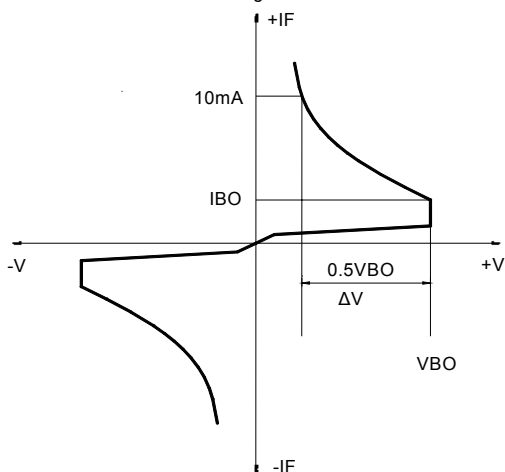


图2: 输出电压测试电路
FIG2: Test Circuit for Output Voltage

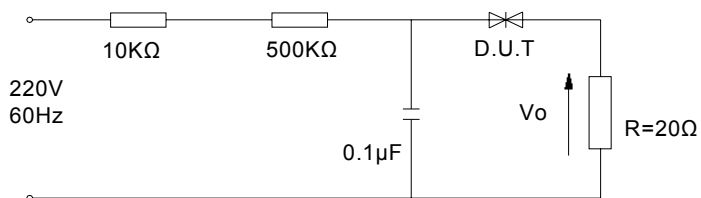


图3: 测试电路见图2 调节Ip=0.5A
FIG3: Test Circuit See Fig.2 Adjuster for Ip=0.5A

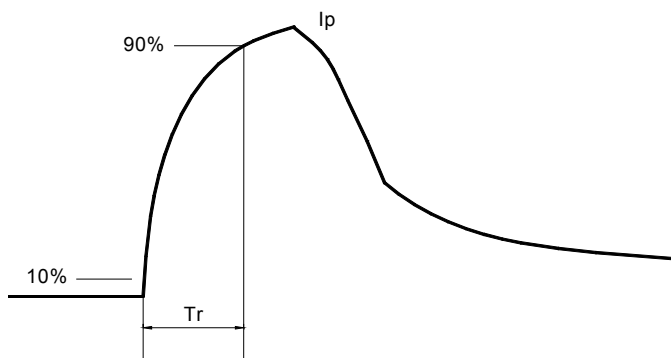


图4: 输出电压测试电路
FIG4: Test Circuit for Output Voltage

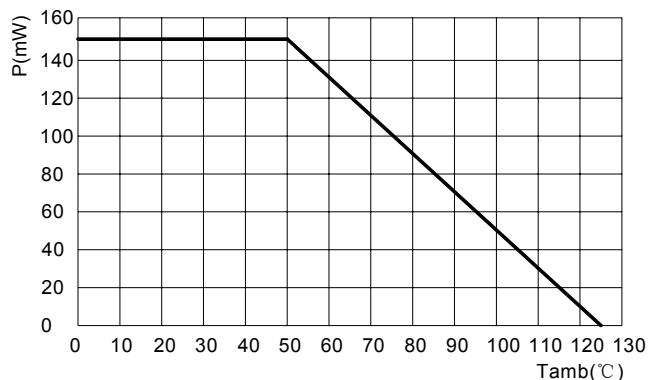


图5: VBO的相对变化与结温的关系

FIG5: Relative Variation of VBO vs. Junction Temperature

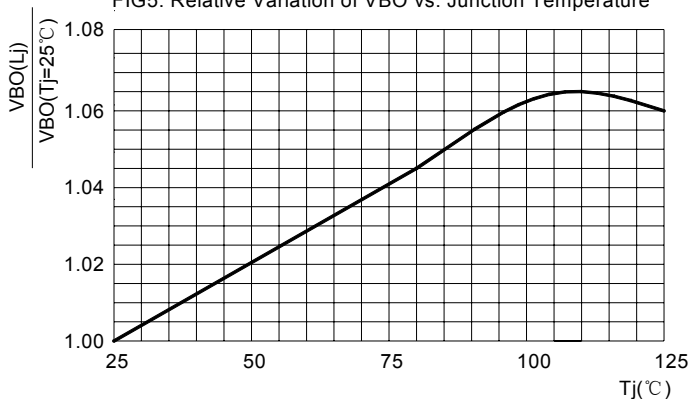


图6: 峰值脉冲电流与脉冲持续时间的关系（最大值）

FIG6: Peak Pulse Current vs. Pulse Duration (Maximum Value)

