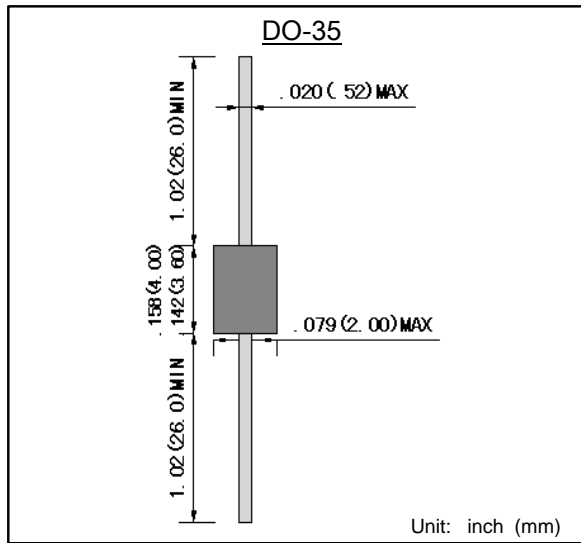


玻封双向触发二极管  
击穿电压 28 ~ 36 V

Glass Bi-directional Trigger Diode  
Breakover Voltage 28 ~ 36V



### 特征 Features

- 高可靠性玻璃钝化芯片 High reliability glass passivation chip
- 击穿电流低 Low breakover current
- 高信赖性 High reliability
- 高温焊接保证 High temperature soldering guaranteed:  
260°C/10 秒 260°C/10seconds
- 引线镀层皆符合RoHS标准  
Lead and body according with RoHS standard

### 机械数据 Mechanical Data

- 封装: DO-35 玻璃封装 Case: DO-35 Glass Case
- 引脚: 纯锡, 无铅 Lead: Pure tin, lead free

### 最大值和特性 TA = 25°C 除非另有规定。

Maximum Ratings & Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	DB3		单位 Unit
最大功耗 Maximum Power Dissipation Ta=50°C	P <sub>D</sub>	150		mW
重复峰值导通电流 Repetitive peak on-state current tp=20ms、f=120Hz	I <sub>TRM</sub>	2		A
击穿电压 Breakover voltage (Note 1) C=22nF (Note 2)	V <sub>BO</sub>	Min.	28	V
		Typ.	32	V
		Max.	36	V
击穿电压对称值 Breakover voltage symmetry C=22nF (Note 2)	V <sub>BO1</sub> - V <sub>BO2</sub>	Max.	3	V
动态回弹电压 Dynamic breakover voltage (Note 1) V <sub>BO</sub> and V <sub>F</sub> at 10mA	ΔV	Min.	5	V
输出电压 Output voltage (Note 1) See diagram 2	V <sub>O</sub>	Min.	5	V
击穿电流 Breakover current (Note 1) C=22nF (Note 2)	Max	Max.	100	μA
上升时间 Rise time (Note 1) See diagram 3	t <sub>r</sub>	Typ.	1.5	us
漏电流 Leakage current (Note 1) V <sub>R</sub> = 0.5 V <sub>BO</sub> Max.	I <sub>R</sub>	Max.	10	μA
峰值电流 Peak current (Note 1) See diagram 2	I <sub>P</sub>	Min.	0.3	A
存储温度 Storage temperature rang	T <sub>STG</sub>	-40 --- +125		°C
工作温度 Operating junction rang	T <sub>J</sub>	-40 --- +125		°C

备注 Note:

- 1) 适用于正、反两极。 Applicable to both forward and reverse directions.
- 2) 与器件并联连接。 Connected in parallel to the device.

特性曲线 Characteristic Curves

图1. 电压-电流特性曲线

Diagram 1. Voltage - current characteristic curve.

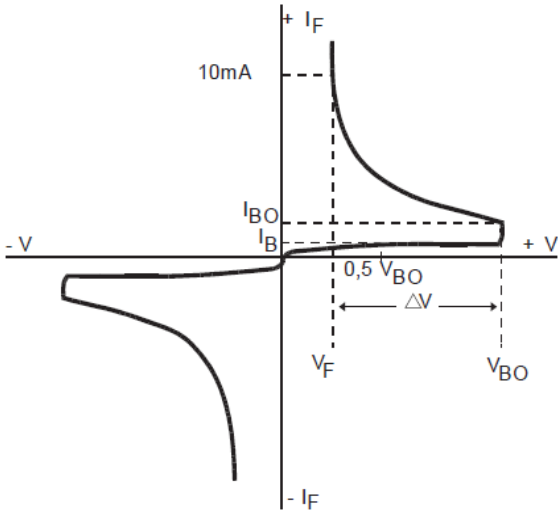


图2. 测试电路

Diagram 2: Test circuit.

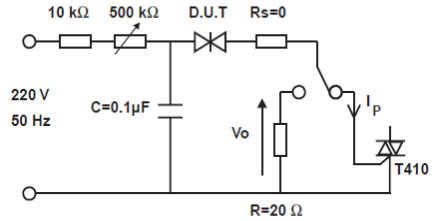


图3. 上升时间测量

Diagram 3: Rise time measurement.

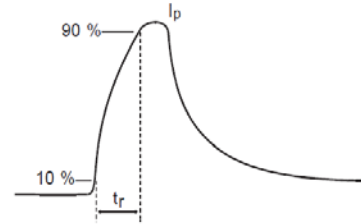


图4. 器件功耗降额曲线

Diagram 4: Power Dissipation Derating Curve.

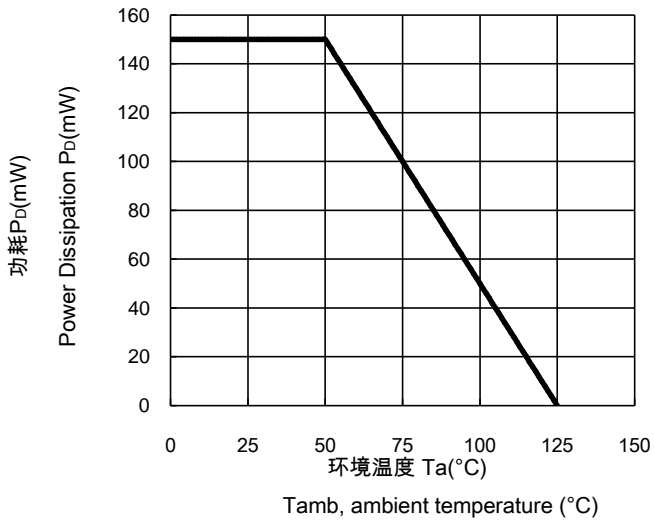


图5. 重复峰值导通电流 Vs 脉宽

Diagram 5: Repetitive peak on-state current Vs pulse width

