

开关二极管

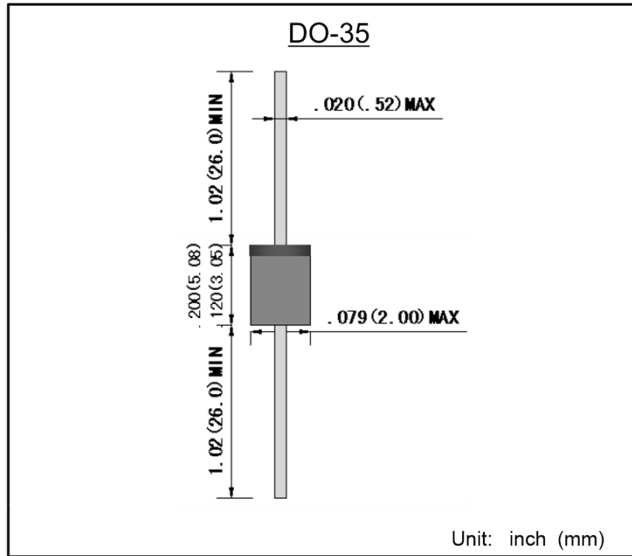
反向电压 75V

正向电流 0.15 A

Switching Diode

Reverse Voltage 75 V

Forward Current 0.15 A



特征 Features

- 反向漏电流小。 Low reverse leakage
- 开关速度快。 Fast switching speed
- 最大功率耗散500mW。 Maximum power dissipation of 500 mW
- 高稳定性和可靠性。 High stability and high reliability
- 引线镀层符合RoHS标准。 Lead plating according with RoHS standard

机械数据 Mechanical Data

- 封装: DO-35 玻璃封装 Case: DO-35 Glass Case
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

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	数值 Value	单位 Unit
重复峰值反向电压 Repetitive Peak Reverse Voltage	V_{RRM}	100	V
反向电压 Reverse Voltage	V_{RM}	75	V
最大正向平均电流 Maximum Average Forward Current	$I_F (AV)$	150	mA
正向 (不重复) 浪涌电流 $t=1\mu s$ Non-repetitive Peak Forward Surge Current at 1 μs	I_{FSM}	2	A
正向电压 $I_F=10mA$ Forward Voltage	V_{FM}	1.0	V
反向电流 $V_R=75V$ Reverse Current	I_{RM}	5	μA
结电容 (Note 1) Junction Capacitance	C_J	4.0	pF
反向恢复时间 (Note 2) Reverse Recovery Time	T_{RR}	4.0	nS
功率消耗 Power Dissipation	P_D	500	mW
典型热阻 Type Thermal Resistance	$R_{\theta JA}$	350	$^{\circ}C/W$
工作结温和存储温度 Operating Junction and Storage Temperature Range	T_J, T_{STG}	-65 --- +175	$^{\circ}C$

备注 Note:

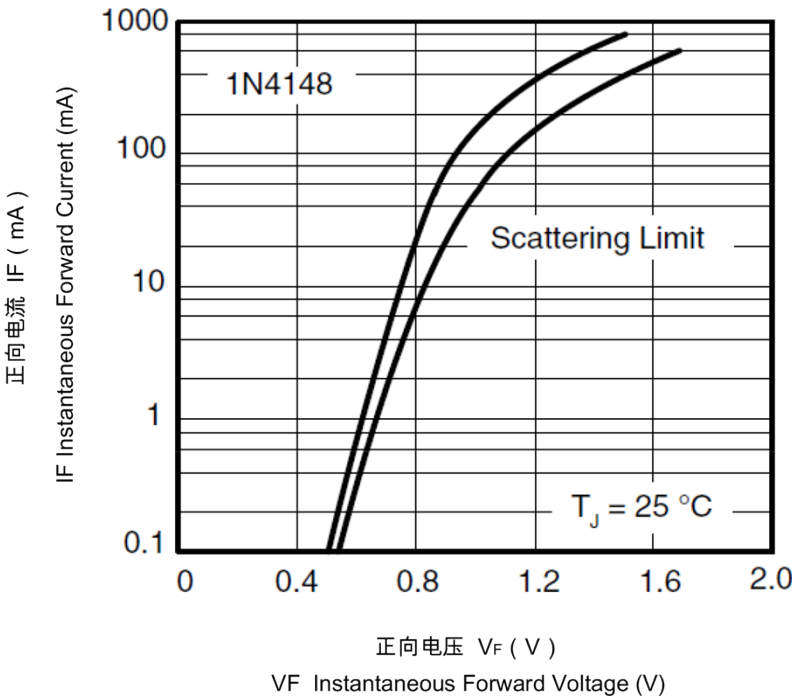
1) C_J at $V_R=0$, $f=1.0MHz$;

2) $I_F=10mA$ to $I_R=1.0mA$, $V_R=6.0V$, $R_L=100\Omega$;

特性曲线 Characteristic Curves

正向特性曲线 (典型值)

TYPICAL FORWARD CHARACTERISTIC



反向特性曲线 (典型值)

Typical Reverse Characteristics

