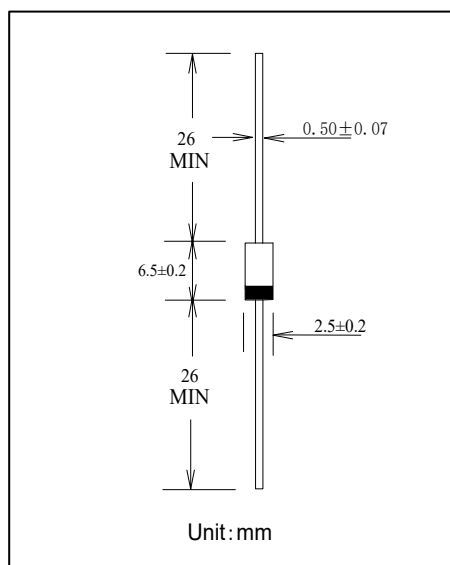




Reverse Voltage 4KV
Forward Current 30mA

特征 Features

- 可燃性等级UL-94V-0
Flammability rating UL-94V-0 (Equivalent)
- 引脚不含铅
Pins Pb (lead) free

用途 Purpose

- 应用于汽车点火线圈浪涌电压吸收
Automobile ignition coil start-up voltage surge arrester

极限值和温度特性 TA = 25°C 除非另有规定。

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

参数名称 Item	符号 Symbol	I3HV04	单位 Unit
反向重复峰值电压 Repetitive Peak Reverse Voltage	V_{RRM}	4	KV
正向平均电流 Average Forward Current	$I_{F(AV)}$	30 (正弦半波50HZ, 电阻负载Ta=25°C) (50HZ half-sine wave, Resistance load Ta=25°C)	mA
正向（不重复）浪涌电流 Non-Repetitive Forward Surge Current	I_{FSM}	3 (正弦半波50HZ, 1/2周期, Ta=25°C) (50HZ half-sine wave, 1/2 cycle, Ta = 25 °C)	A
反向浪涌电流 Peak Surge Reverse Current	I_{RSM}	30 (三角半波100us, 单个峰值) (Half value width:100us , Triangular-wave, peak value one shot)	mA
最高结温 Maximum Junction Temperature	$T_{(VJ)}$	150	°C
贮存温度 Storage Temperature	T_{stg}	-40 --- +150	°C

电特性 TA = 25°C 除非另有规定。

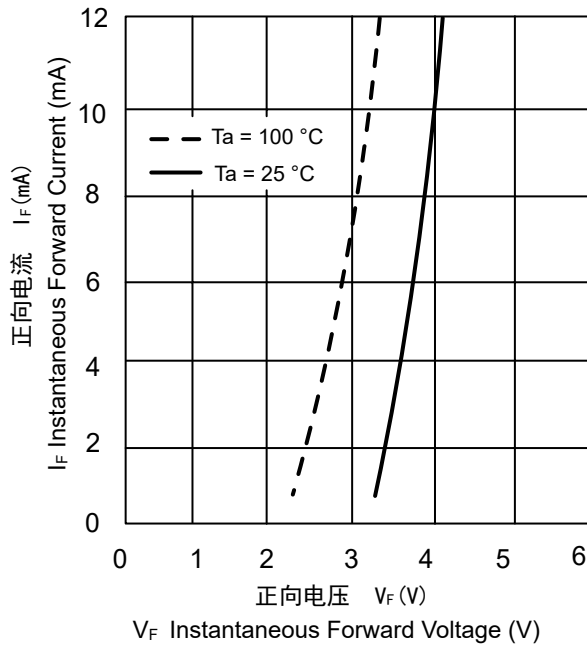
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数名称 Item	符号 Symbol	I3HV04	单位 Unit
最大正向压降 Max Forward Voltage Drop $I_F = 10mA$	V_F	6	V
最大常温反向漏电流 Max Normal Temperature Reverse Current $VR = V_{RRM}$	I_{RM1}	2	μA
最大高温反向漏电流 Max High Temperature Reverse Current $TA = 150^{\circ}C$ $VR = V_{RRM}$	I_{RM2}	50	μA

特性曲线 Characteristic Curves

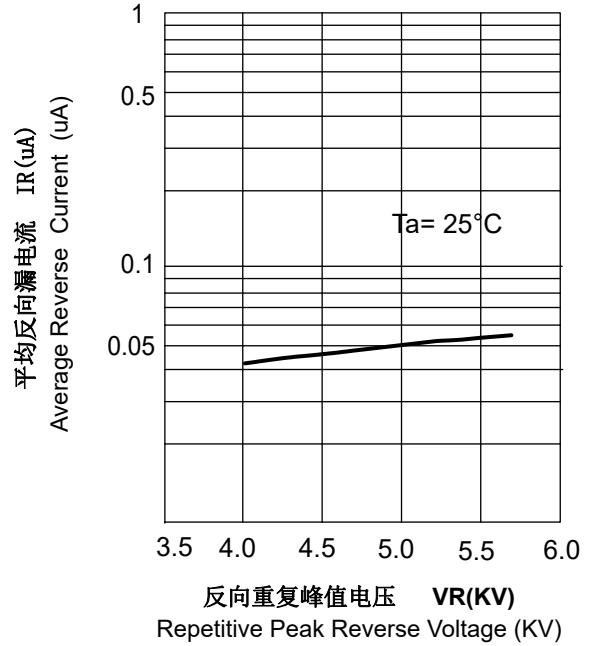
正向特性曲线

TYPICAL FORWARD CHARACTERISTIC



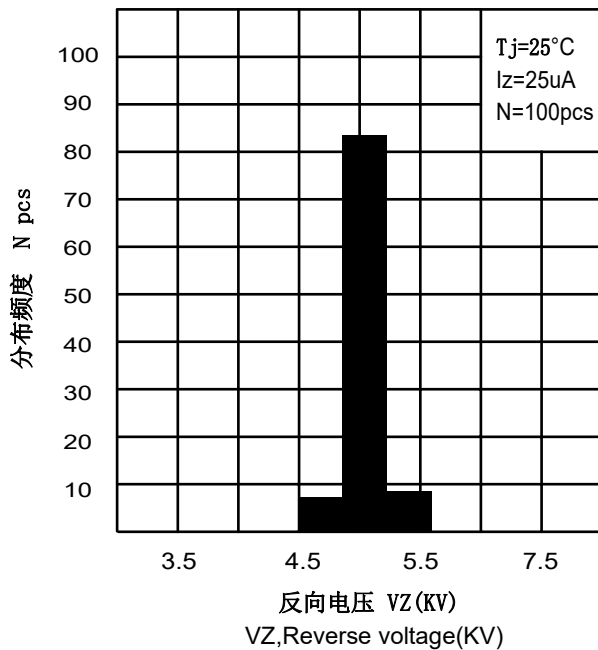
反向特性曲线

REVERSE CHARACTERISTIC [VR-IR]



反向电压特性分布

REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION



开路试验 Open Operational Test

试验条件

Test Condition

周围温度Ta:130°C

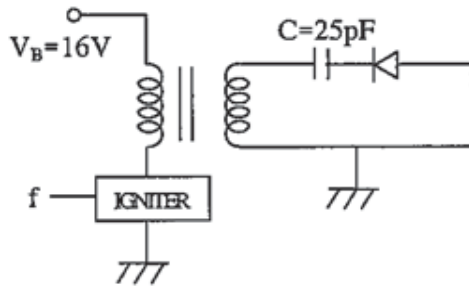
Ambient temperature:130°C

电容容量C: 25 pF

Capacity: 25 pF

1) f=66.6Hz , t=3min

2) f=33.3Hz , t=20hrs



放电试验 Spark Discharge Test

试验条件

Test Condition

周围温度Ta:130°C

Ambient temperature:130°C

二次放电电压: 25KV±5KV

Secondary discharge voltaoge: 25KV±5KV

L1:100mm 以下

L1:less than 100mm

L2:500mm 以下

L2:less than 500mm

F=66.6Hz

