



MK4045

## Schottky Bypass Diode Module

### 肖特基旁路二极管模块

#### Features/产品特点

High frequency operation /高频工作  
Low forward voltage drop/ 正向压降小  
High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance /高纯度、高温环氧封装，机械强度和防潮性好  
long term reliability/长期可靠性好

#### Typical Applications/典型应用

Photovoltaic solar cell protection schottky rectifier/  
光伏太阳能电池保护肖特基整流器

#### Mechanical Data/产品参数

**Package/封装:** GF030S  
Molding compound meets UL 94 V-0 flammability rating /塑封材料符合UL 94 V-0可燃性等级  
**Terminals/引脚材料:** Tin plated leads, solderable per J-STD-002 and JESD 22-B102/铜镀锡引线，可焊性符合J-STD-002 JESD 22-B102标准  
**Polarity/极性:** As marked/见印字符号

**Maximum Ratings** ( $T_a=25^\circ\text{C}$  Unless otherwise specified) / **最大额定值** (环境温度 $T_a=25^\circ\text{C}$  除非另有定义)

PARAMETER 参数			MK4045
Device marking code 产品型号			



# MK4045

## Thermal Characteristics (Ta=25°C Unless otherwise specified) / 热阻(环境温度Ta=25°C 除非另有规定)

PARAMETER 参数	SYMBOL 符号	UNIT 单位	MK4045
Thermal Resistance (1) 热阻	R J-C	/W	1.0

**Note:** (1) Thermal resistance from Between junction and case, On glass-epoxi substrate.

(1) 注: (1) Pn结与二极管壳体间热阻, 在玻璃基板上。

## Ordering Information (Example) / 包装信息 (示例)

PREFERRED P/N 型号规格	UNIT WEIGHT(g) 单位重量(克)	MINIIMUM PACKAGE(pcs) 最小单管数量(颗)	OUTER CARTON QUANTITY(pcs) 整箱数量(颗)	DELIVERY MODE 包装方式
MK4045	Approximate 5.5 平均5.5克/只	30	1500	Tube

## Characteristics (Typical) / 特性(典型值)

FIG1: Io -Tc Curve  
Io-Tc特性曲线

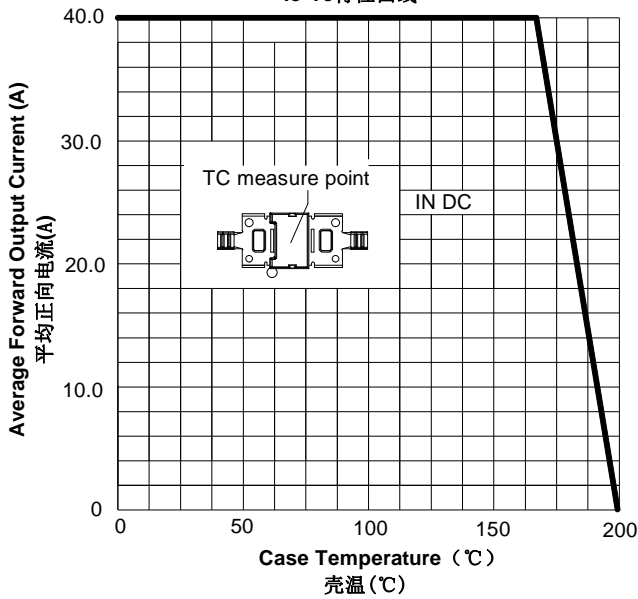


FIG2: Surge Forward Current Capability  
向浪涌电流能力

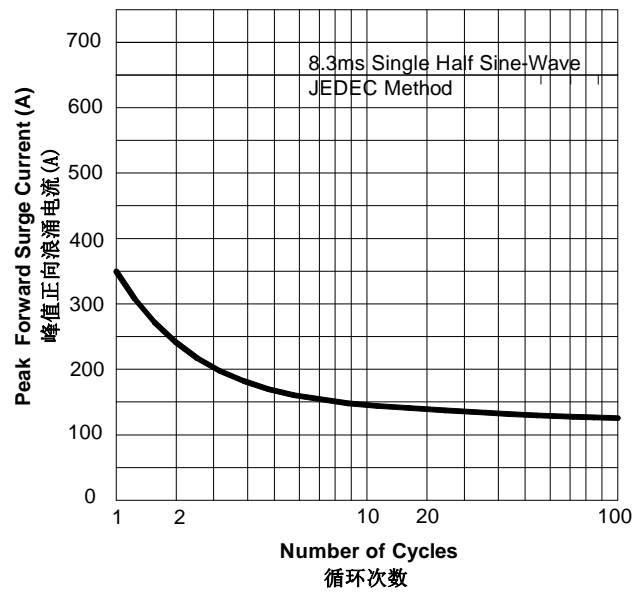


FIG3: Forward Voltage  
正向压降

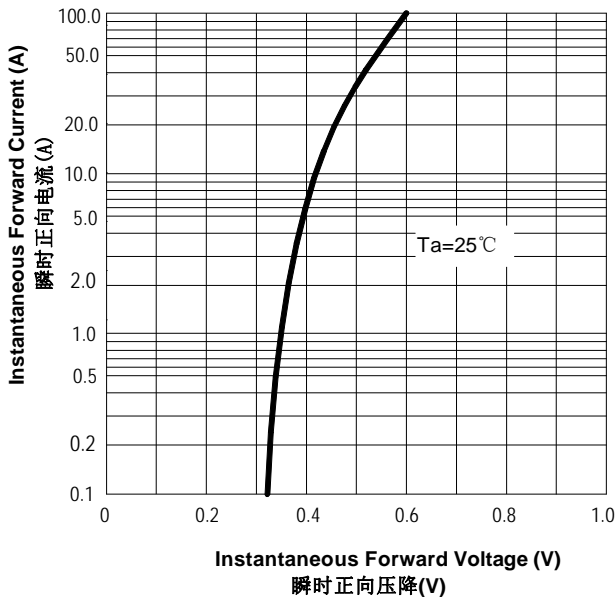
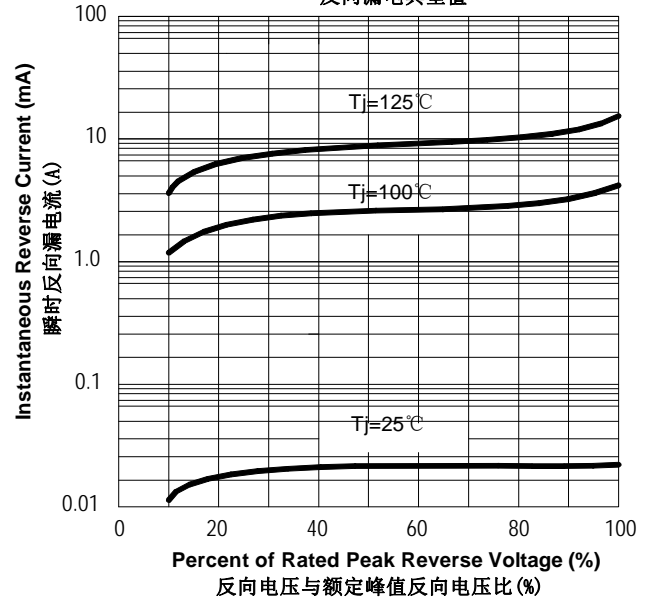
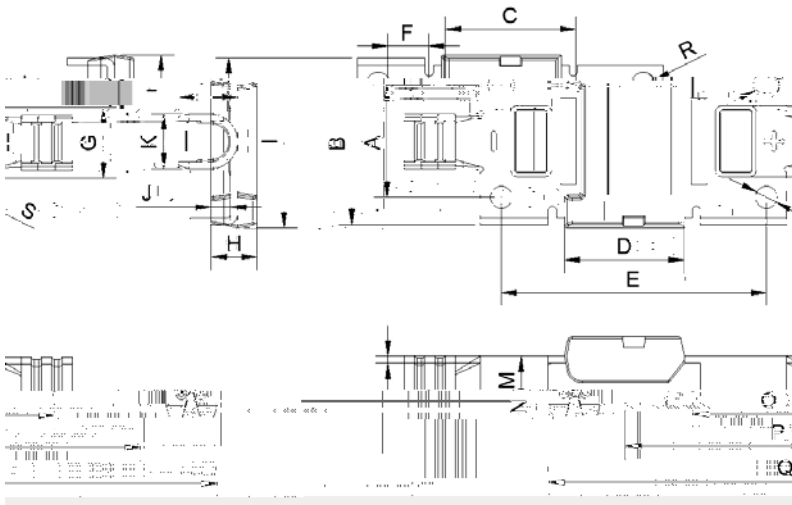


FIG4: Typical Reverse Characteristics  
反向漏电典型值





Outline Dimensions / 外形尺寸



DIM	MM		NOTE
	MIN	MAX	
A	10.5	11.5	
B	15.9	16.9	
C	12.6	13	
D	11.23	12.23	
E	25.5	26.5	
F	3.5	4.5	
G	6.5	7.5	
H	4.3	4.7	
I	16.5	17.5	
J	1.7	2.1	
K	5	5.8	
L	5.6	6	
M	4.4	5	
N	0.6	0.8	
O	14.73	15.13	
P	29.5	30.5	
Q	44.5	45.5	
R	2.35	2.65	
S	2	2.3	



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