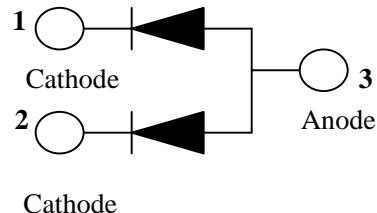




Schottky Diode



肖特基二极管(FHBAS40-06)

MAXIMUM RATINGS 最大额定值

Rating 额定值	Symbol 符号	Value 值	Unit 单位
Reverse Voltage 反向电压	V _R	40	Vdc
Peak Forward Current 正向峰值电流	I _F	350	mAdc
Peak Forward Surge Current 正向最大浪涌电流 t = 1s	I _{FM(surge)}	1.5	Adc

THERMAL CHARACTERISTICS 热特性

Characteristic 特性	Symbol 符号	Max 最大值	Unit 单位
Total Device Dissipation FR-5 Board(1) T _A =25	P _D	225	mW
Total Device Dissipation Alumina Substrate,(2) T _A =25 总耗散功率 氧化铝衬底	P _D	300	mW
Junction and Storage Temperature 结温和储存温度	T _{J,T_{stg}}	150 , -55 to +150	

DEVICE MARKING 打标

FHBAS40-06=8S

ELECTRICAL CHARACTERISTICS 电特性

(T_A=25 unless otherwise noted 如无特殊说明，温度为 25)

Characteristic 特性	Symbol 符号	Min 最小值	Max 最大值	Unit 单位
OFF CHARACTERISTICS 截止电特性				
Reverse Voltage Leakage Current 反向漏电流(V _R =25Vdc)	I _R	—	1.0	μAdc
Reverse Breakdown Voltage 反向击穿电压(I _{BR} =10 μ Adc)	V _(BR)	40	—	Vdc
Forward Voltage 正向电压 (I _F =20mAdc) (I _F =200mAdc)	V _F	—	370	mVdc
Total Capacitance 电容(V _R =1V,f=1.0MHz)	C _T	—	5	pF

1. FR-5=1.0 × 0.75 × 0.062 in.
2. Alumina=0.4 × 0.3 × 0.024 in. 99.5% alumina.



SOT-23 封装外形尺寸 (SOT-23 DIMENSION)



The technical drawing illustrates the physical dimensions of the SOT-23 package. The top view shows the overall width (E), height (G), and lead spacing (B). The side view shows the thickness (C), lead pitch (P), and lead height (M). The bottom view shows the lead profile and lead height (N).

1. CATHODE
2. CATHODE
3. ANODE

DIM	MILLIMETERS
A	2.85~3.04
B	1.30±0.10
C	1.00±0.10
D	0.45±0.05
E	2.40+0.30/-0.20
G	1.90±0.10
K	0.00-0.10
M	0.20 MIN
N	0.60±0.10
P	7±2°

SOT-23