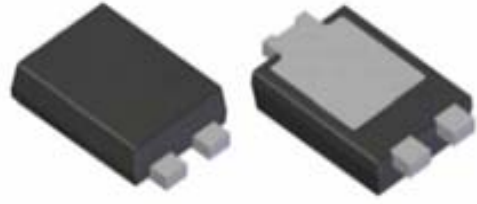
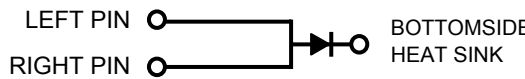


<p>FEATURES</p> <ul style="list-style-type: none"> ■ High current capability, low forward voltage ■ Excellent high temperature stability ■ Low power loss, and high efficiency ■ High Forward Surge Capability ■ Patented package technology 	<p style="text-align: center;">SYMBOL Package: TO-277B (SMD)</p> <div style="text-align: center;">  <p style="display: flex; justify-content: space-around;">Top View Bottom View</p> </div> <div style="text-align: center; margin-top: 10px;">  <p style="display: flex; justify-content: space-between; font-size: small;"> LEFT PIN RIGHT PIN BOTTOMSIDE HEAT SINK </p> </div>
<p>APPLICATIONS</p> <ul style="list-style-type: none"> ■ Switching mode power supply applications ■ Portable equipment battery applications ■ High frequency rectification ■ DC/DC Converter ■ Designed as bypass diodes for solar panels 	
<p>特征：超薄封装，体积小，超低压降等特点 典型应用：手机充电器、平板电脑、移动电源、其他充电器、1A、2A端口充电电路 以及太阳能电池、汽车电子、电脑周边、家电等产品，适合高密度PCB、高效率适配器电源 H1045L可代替同类器件型号： SR1045L、MBR1045、MBR1045CT、MCC1045UL、SB1045L、SV1045、UL1045、SBR10U45SP5、MBR1045ULPS</p>	

■ ABSOLUTE MAXIMUM RATINGS (T_A=25°C, unless otherwise specified)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive peak reverse voltage	V _{RRM}	45	V
Maximum DC blocking voltage	V _{RM}	45	
Average forward current	I _{F(AV)}	10	A
Surge non repetitive forward current (8.3ms single half sine- wave)	I _{FSM}	278	
Single pulse davalanche energy (I _{AS} =12A, L=10mH)	E _{AS}	530	mJ
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-55~+150	

■ Thermal Characteristics

CHARACTERISTIC	SYMBOL	RATING	UNIT
Thermal Resistance, Junction-to-Ambiene	R _{QJA}	31	°C/W

■ Electrical Characteristics

Characteristic	Symbol	Test Condition	Rating			UNIT	
			Min	Typ	Max		
Forward voltage drop	V _F	I _F =2A	--	0.31	0.35	V	
		I _F =8A	--	0.37	0.38		
		I _F =10A	T _J =25°C	--	0.41		0.47
			T _J =100°C	--	0.36		0.41
Reverse leakage current	I _R	V _R =Max. V _{RRM}	T _J =25°C	--	0.06	mA	
			T _J =125°C	--	17		75

■ Rating and Characteristic Curves

Fig-1. Typical Forward Characteristics

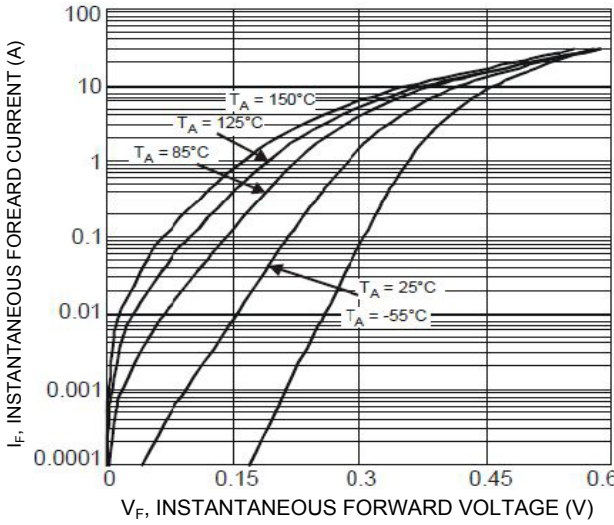


Fig-2. Typical Reverse Characteristics

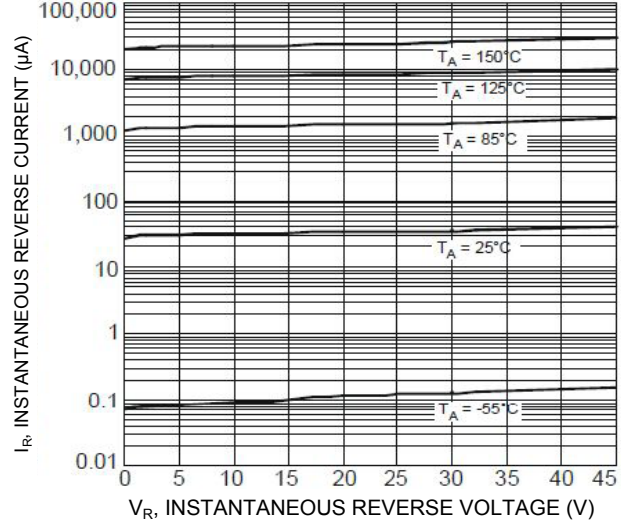


Fig-3. Forward Current Derating Curve

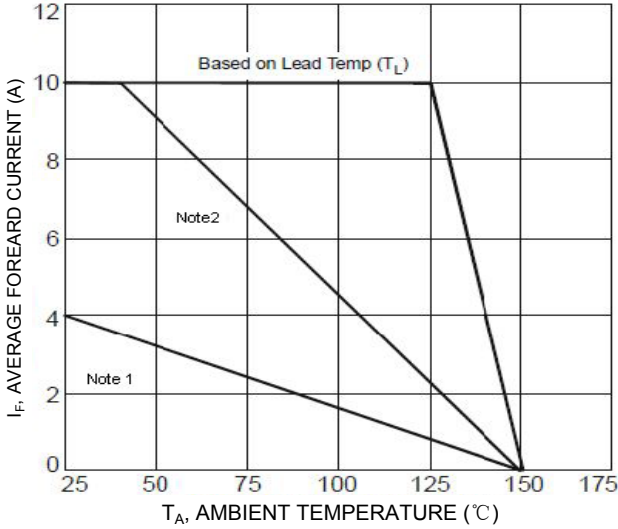


Fig-4. Operating Temperature Derating Curve

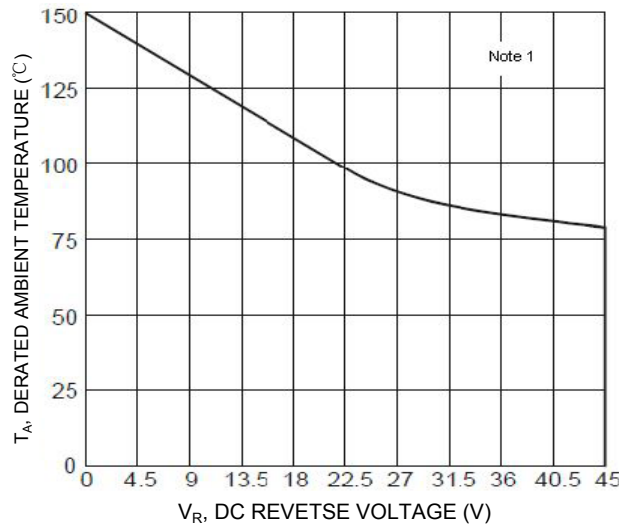
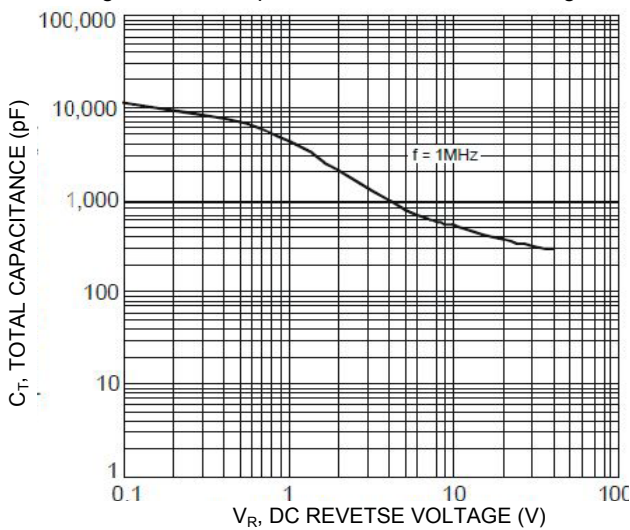
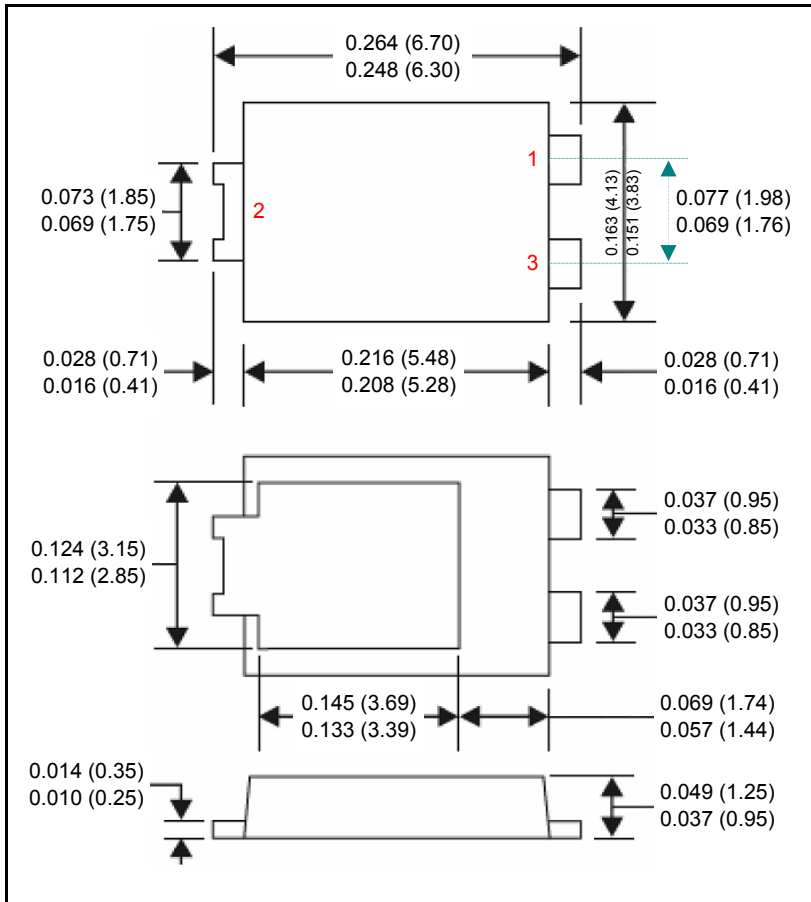


Fig-5. Total Capacitance VS. Reverse Voltage

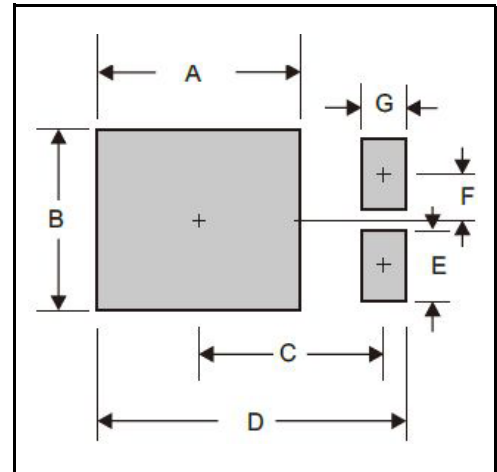


■ **TO-277B Package Dimensions** inch (millimeters) TO-277B SMD 表面贴封装尺寸数据: 英寸(毫米)

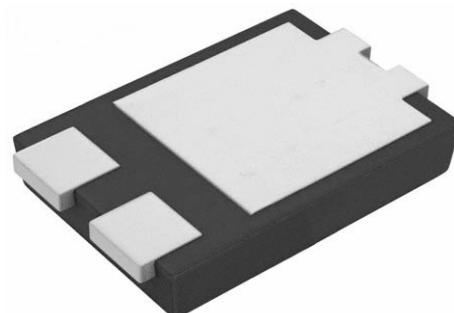


SMD表面贴装
TO-277
TO-277B
QFN5×6
POWERDI5

Suggested Pad Layout
PCB焊接布局建议参考



A	B	C	D	E	F	G
0.185(4.70)	0.142(3.60)	0.152(3.87)	0.260(6.60)	0.055(1.40)	0.035(0.90)	0.031(0.80)



TO-277B (表面贴封装) 包装方式
载带卷盘包装: Tape & Reel
每卷数量: 5000只 (5Kpcs/Reel)
每盒数量: 10000只 (10Kpcs/BOX)



经中华人民共和国工商行政管理总局商标局批准
HAOHAI、HHE 图案、字母、均为我公司正式注册商标，仿冒、盗用均属侵权，违法必究！

深圳市浩海电子有限公司

SHENZHEN HAOHAI ELECTRONICS CO., LTD.

2 floor(whole floor), BAOXIN Building. 0 Lane on the 8th. Yufeng Garden.
82 District. BAOAN District, Shenzhen City, Guangdong Province, China.

中國 廣東省 深圳市 寶安區 82區 裕豐花園 零巷8號 寶馨樓 二楼 (全层)

公司电话 TEL: +86-755-29955080、29955081、29955082、29955083
总机八线 29955090、29955091、29955092、29955093

FAX: +86-755-27801767

E-mail: kkg@kkg.com.cn

产品主页: <http://www.szhhe.com>

<http://www.kkg.com.cn>