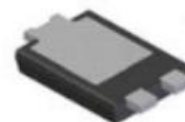
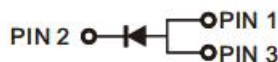


**TO-277B Schottky Barrier Rectifier Diode 肖特基势垒整流二极管**

■ **Features 特点**

Low forward voltage drop 低正向压降  
High current capability 高电流能力  
Surface mount device 表面贴装器件  
Case 封装:TO-277B



■ **Maximum Rating 最大额定值**

( $T_A=25^{\circ}\text{C}$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}\text{C}$ )

Characteristic 特性参数	Symbol 符号	SS 2040	SS 2045	SS 2060	SS 2080	SS 20100	SS 20150	SS 20200	Unit 单位
Peak Reverse Voltage 反向峰值电压	$V_{RRM}$	40	45	60	80	100	150	200	V
DC Reverse Voltage 直流反向电压	$V_R$	40	45	60	80	100	150	200	V
RMS Reverse Voltage 反向电压均方根值	$V_{R(RMS)}$	28	32	42	56	70	105	140	V
Forward Rectified Current 正向整流电流	$I_F$	20							A
Peak Surge Current 峰值浪涌电流	$I_{FSM}$	250							A
Thermal Resistance J-A 结到环境热阻	$R_{\theta JA}$	60							$^{\circ}\text{C}/\text{W}$
Junction Temperature 结温	$T_J$	150							$^{\circ}\text{C}$
Storage Temperature 储藏温度	$T_{stg}$	-55to+150 $^{\circ}\text{C}$							$^{\circ}\text{C}$

■ **Electrical Characteristics 电特性**

( $T_A=25^{\circ}\text{C}$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}\text{C}$ )

Characteristic 特性参数	Symbol 符号	SS2040-SS2045	SS2060	SS2080-SS20100	SS20150-SS20200	Unit 单位	Condition 条件
Forward Voltage 正向电压	$V_F$	0.55	0.70	0.85	0.92	V	$I_F=20\text{A}$
Reverse Current 反向电流	$I_R(25^{\circ}\text{C})$ $(125^{\circ}\text{C})$	0.1 50		0.01 20		mA	$V_R=V_{RRM}$
Diode Capacitance 二极管电容	$C_D$	800				pF	$V_R=4\text{V}, f=1\text{MHz}$

■ Typical Characteristic Curve 典型特性曲线

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

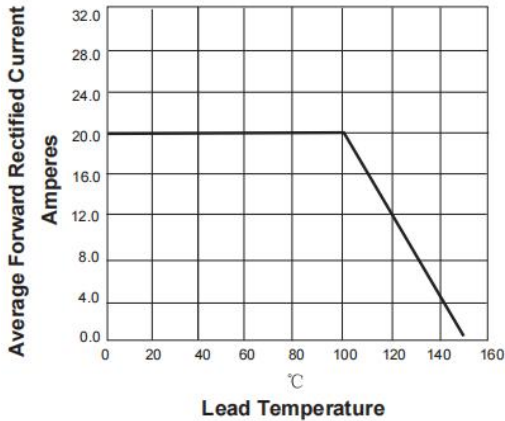


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

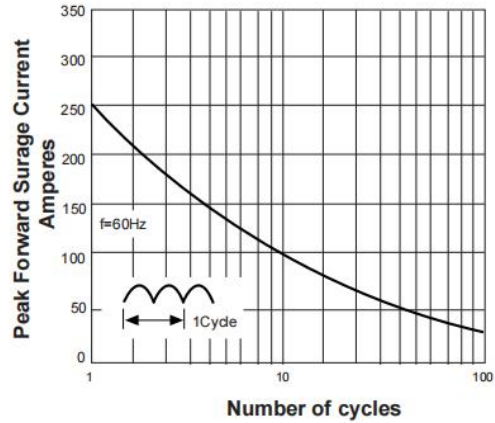


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

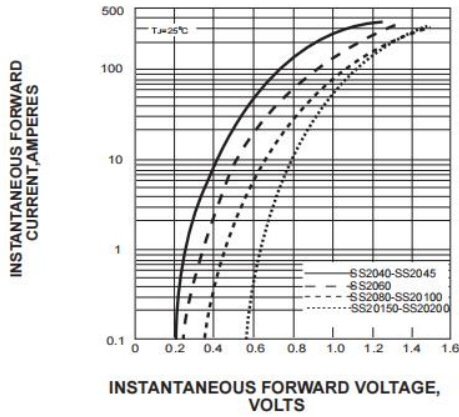
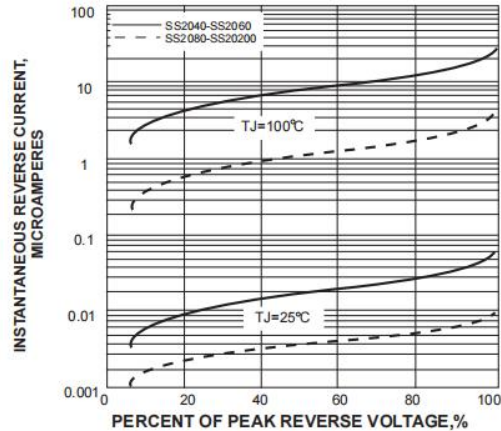
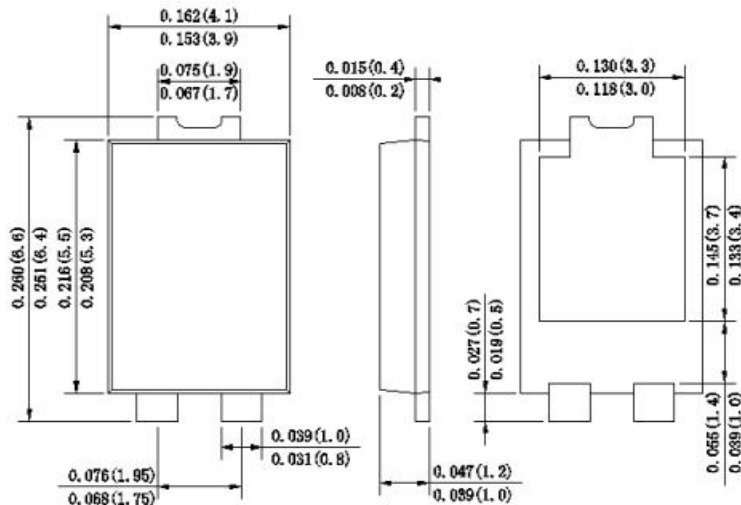


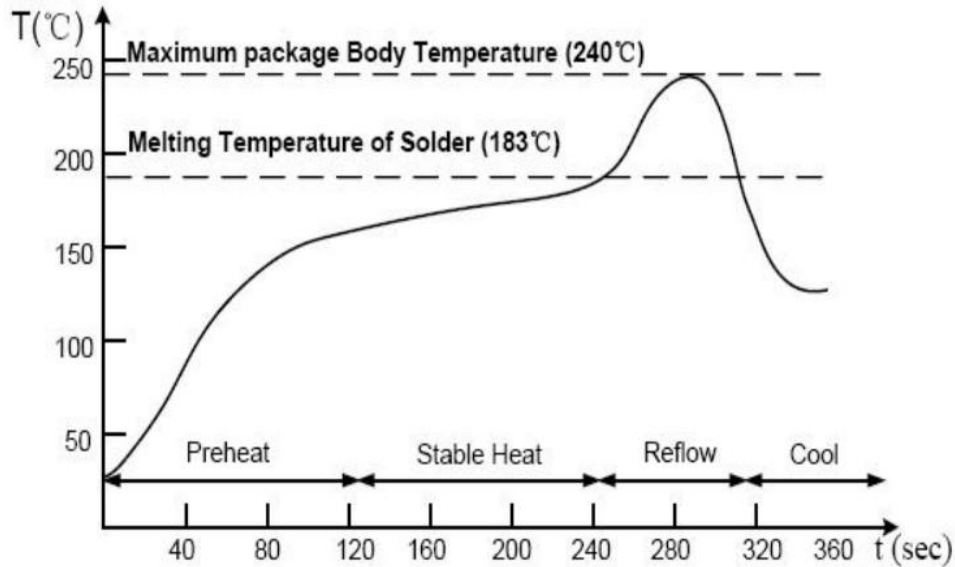
FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



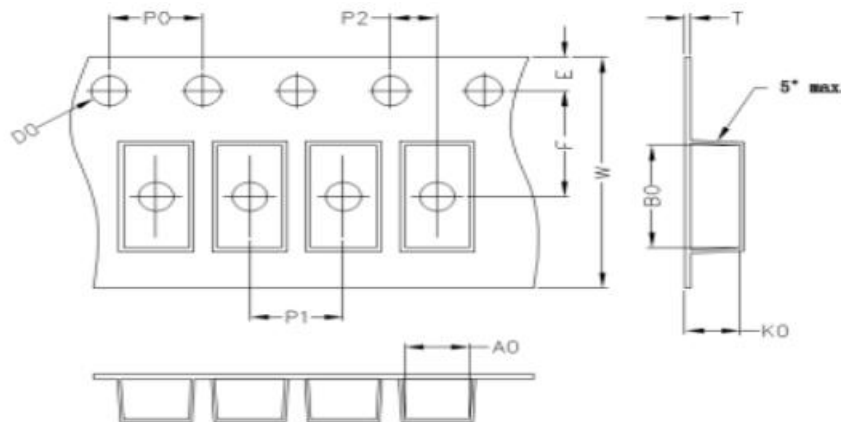
■ Dimension 外形封装尺寸 Dimensions in inches and (millimeters)



**Suggested Soldering Temperature Profile 焊接**



**Package Information 包装  
Carrier Dimension(mm)**



<b>A0</b>	<b>B0</b>	<b>K0</b>	<b>D0</b>	<b>E</b>	<b>F</b>
4.40	6.90	1.30	1.55	1.75	7.50
<b>P0</b>	<b>P1</b>	<b>P2</b>	<b>T</b>	<b>W</b>	<b>Tolerance</b>
4.0	8.0	2.0	0.25	12	0.1

**Package Specifications**

Package	Reel Size	Reel DIA. (mm)	Q'TY/Reel (Kpcs)	Box Size (mm)	QTY/Box (Kpcs)	Carton Size (mm)	Q'TY/Carton (Kpcs)
TO-277B	13'	330	5.0	340	10.0	360*360*360	80