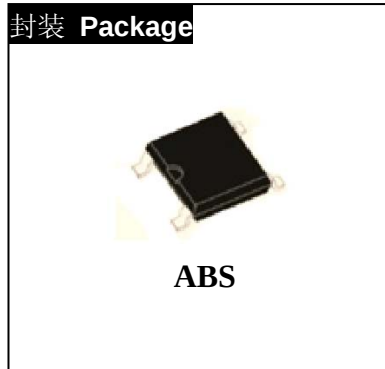




ABS210

主要参数 MAIN CHARACTERISTICS

$I_{F(AV)}$	2A
V_{RRM}	1000 V
T_j	150℃
$V_{F(max)}$	1.1V



产品特性

- 玻璃钝化芯片
- 低正向压降
- 高电流能力
- 高浪涌能力
- 适用于表面贴装

FEATURES

- Glass passivated junction
- Low forward voltage drop
- High current capability
- High surge current capability
- Designed for surface mount application

订货信息 ORDER MESSAGE

订货型号 Order codes	印 记 Marking	封 装 Package	无卤素 Halogen Free	包 装 Packaging	器件重量 Device Weight
ABS210-BA-A	ABS210	ABS	否 NO	卷盘 Reel	101mg(approx.)



绝对最大额定值 ABSOLUTE RATINGS ($T_A=25^{\circ}\text{C}$)

项 目 Parameter	符 号 Symbol	数 值 Value	单 位 Unit
最大反向重复峰值电压 Maximum Repetitive Reverse Voltage	V_{RRM}	1000	V
最大均方根电压 Maximum RMS Voltage	V_{RMS}	700	V
最大直流阻断电压 Maximum DC Blocking Voltage	V_{DC}	1000	V
正向平均整流电流 Average Rectified Forward Current $T_A=50^{\circ}\text{C}$	$I_{F(AV)}$	2	A
非重复峰值正向浪涌电流 Non-repetitive Peak Forward Surge Current 额定负载 8.3ms 半正弦波 8.3 ms Single Half-Sine-Wave	I_{FSM}	60	A
最高结温 Maximum Junction Temperature	T_J	150	$^{\circ}\text{C}$
储存温度 Storage Temperature Range	T_{STG}	-55~+150	$^{\circ}\text{C}$

电特性 ELECTRICAL CHARACTERISTICS

项 目 Parameter	符 号 Symbol	数 值 Value	单 位 Unit
最大反向电流 Maximum Reverse Current $T_A = 25^{\circ}\text{C}$ $T_A = 125^{\circ}\text{C}$	I_R	5.0 500	μA
单管正向电压 Forward Voltage per element $I_F = 2\text{A}$	V_F	1.1	V

热特性 THERMAL CHARACTERISTICS

项 目 Parameter	符 号 Symbol	数 值 Value	单 位 Unit
单管结到环境的热阻 Thermal Resistance Junction to Ambient , per leg	$R_{\theta JA}$	62.5	$^{\circ}\text{C/W}$
单管结到管脚的热阻 Thermal Resistance Junction to Lead , per leg	$R_{\theta JL}$	25	





特征曲线 ELECTRICAL CHARACTERISTICS (curves)

FIG.1 FORWARD CURRENT DERATING CURVE

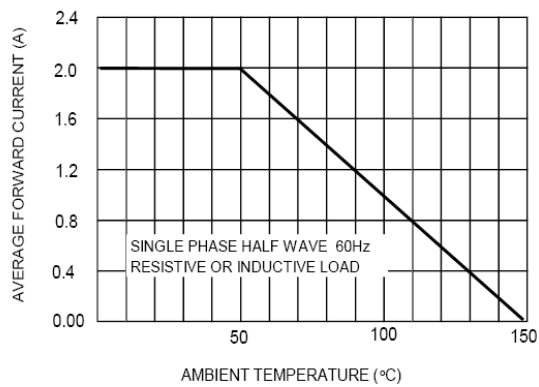


FIG.2 TYPICAL FORWARD CHARACTERISTICS

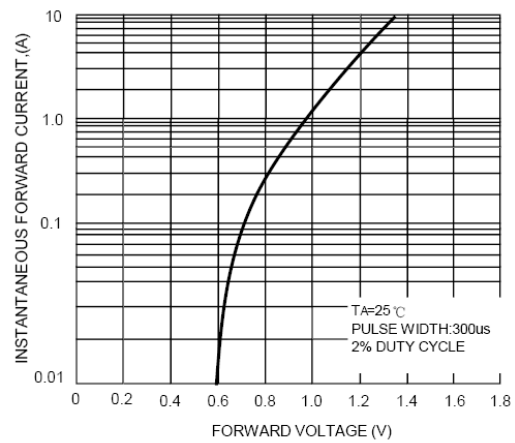


FIG.3 MAXIMUM NON-REPETITIVE SURGE CURRENT

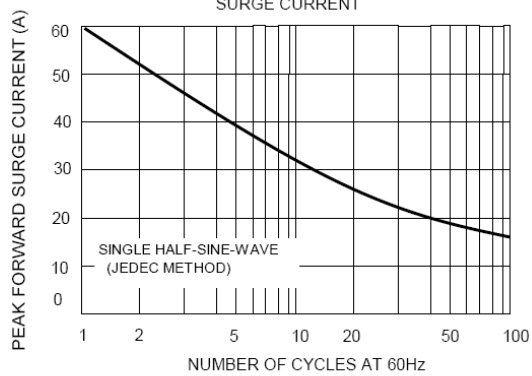
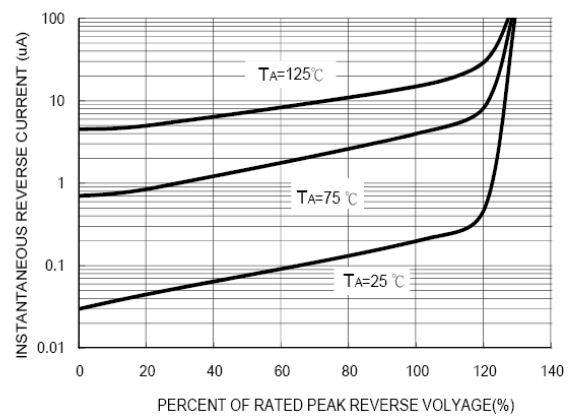
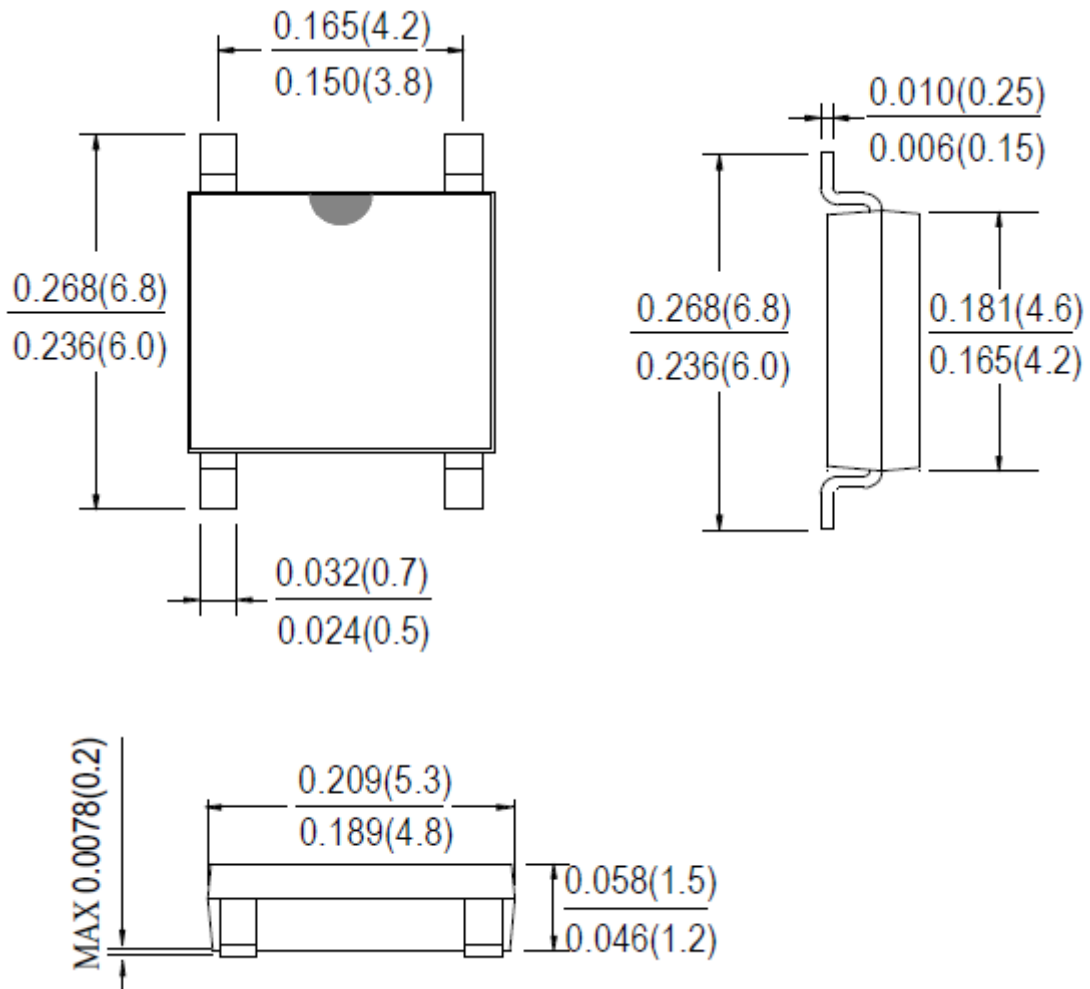


FIG. 4 TYPICAL REVERSE CHARACTERISTICS



外形尺寸 PACKAGE MECHANICAL DATA
ABS
Dimensions in inches and(milimeters)




注意事项

- 1.吉林华微电子股份有限公司的产品销售分为直销和销售代理,无论哪种方式,订货时请与公司核实。
- 2.购买时请认清公司商标,如有疑问请与公司本部联系。
- 3.在电路设计时请不要超过器件的绝对最大额定值,否则会影响整机的可靠性。
- 4.本说明书如有版本变更不另外告知

NOTE

1. Jilin Sino-microelectronics co., Ltd sales its product either through direct sales or sales agent , thus, for customers, when ordering , please check with our company.
2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Jilin Sino-microelectronics co., Ltd reserves the right to make changes in this specification sheet and is subject to change without prior notice.

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附录 (Appendix): 修订记录 (Revision History)

日期 Date	旧版本 Last Rev.	新版本 New Rev.	修订内容 Description of Changes

