SMA 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:SMA(DO-214AC)

■Maximum Rating 最大额定值

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

Characteristic 特性参数	Symbol 符号	SS315	SS320	Unit 单位
Marking 印字		SS315	SS320	
Peak Reverse Voltage 反向峰值电压	V_{RRM}	150	200	V
DC Reverse Voltage 直流反向电压	V_R	150	200	V
RMS Reverse Voltage 反向电压均方根值	$V_{R(RMS)}$	105	140	V
Forward Rectified Current 正向整流电流	I_F	3		A
Peak Surge Current 峰值浪涌电流	I_{FSM}	80		A
Thermal Resistance J-L 结到管脚热阻	$R_{\theta JL}$	10		℃/W
Junction Temperature 结温	T_J	175		℃
Storage Temperature 储藏温度	T_{stg}	-65to+175		℃

■Electrical Characteristics 电特性

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

Characteristic 特性参数	Symbol 符号	Max 最大值	Unit 单位	Condition 条件
Forward Voltage 正向电压	V_F	0.92	V	I_F=3A
Reverse Current 反向电流	I_R(25℃) (100℃)	0.02 2	mA	V_R=V_{RRM}
Diode Capacitance 二极管电容	C_D	250	pF	V_R=4V,f=1MHz

■Typical Characteristic Curve 典型特性曲线

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

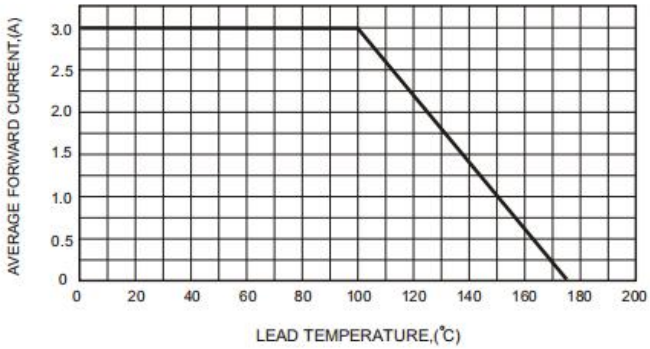


FIG.2-TYPICAL FORWARD CHARACTERISTICS

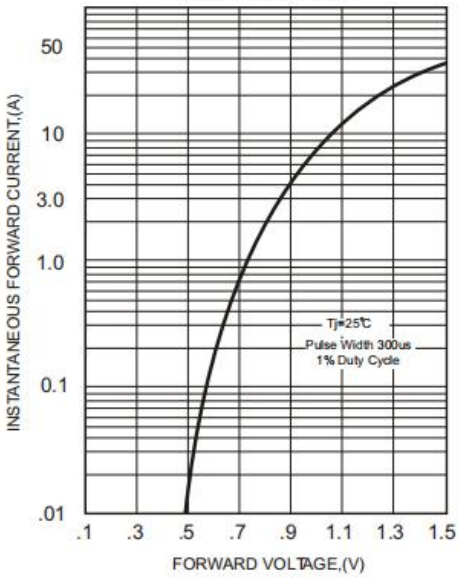


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

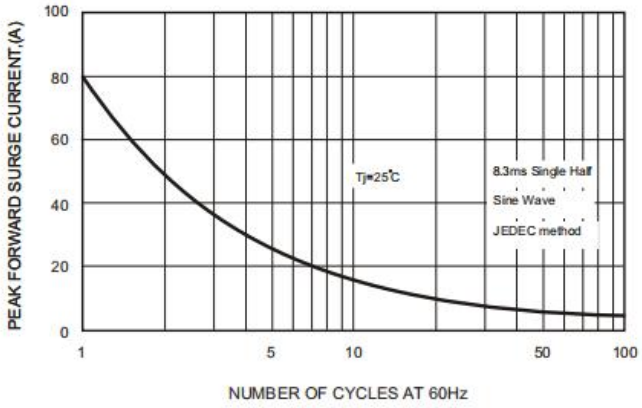


FIG.4-TYPICAL JUNCTION CAPACITANCE

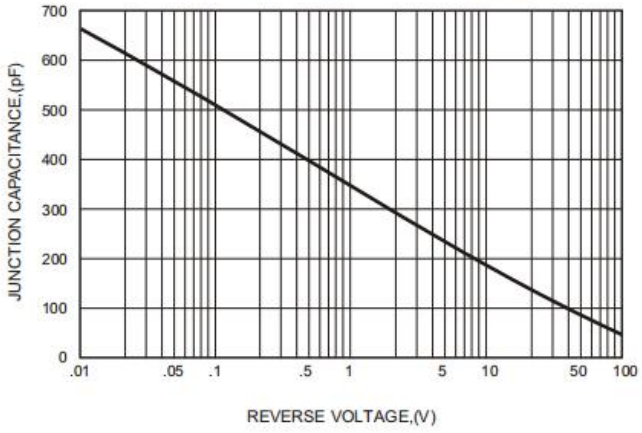
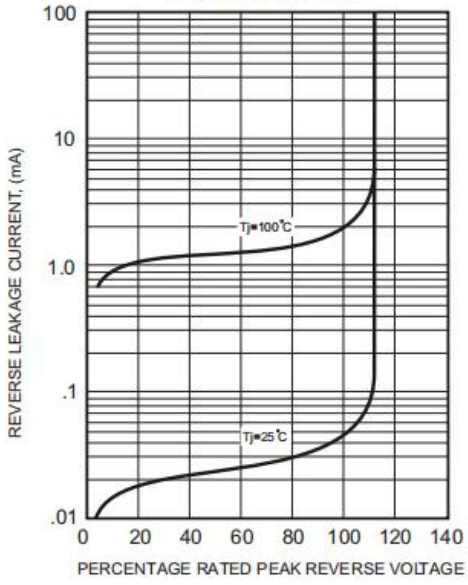
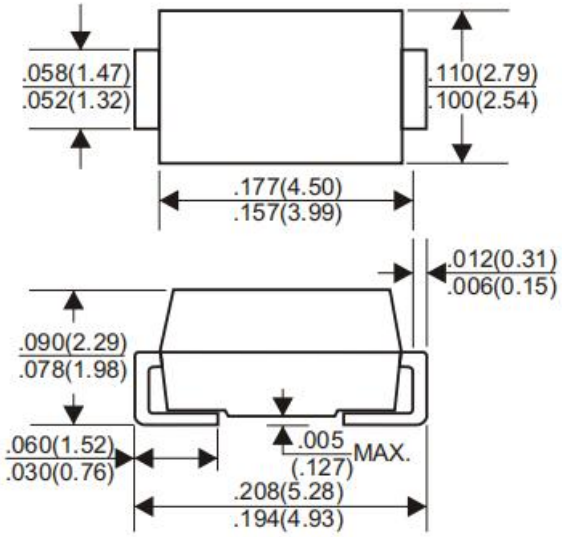


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



■**Dimension 外形封装尺寸**

DO-214AC(SMA)



Dimensions in inches and (millimeters)