

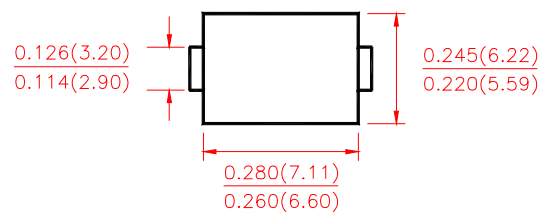
## 技术参数规格书

### 主要电气参数

IF	3.0A
VRRM	50-1000V
IFSM	100A
IR	10uA
VF	1.30V
Tj max	150°C

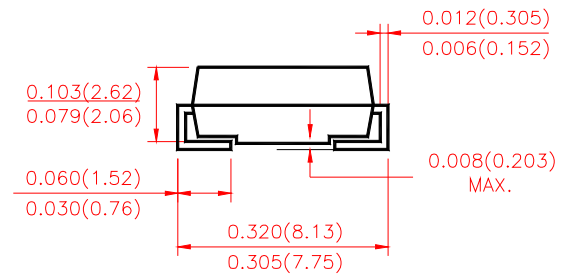
### 封装尺寸规格:

#### DO-214AB(SMC)



### 特性:

- 超薄小型外观
- 专为 SMT 自动贴片设计
- GPP 芯片
- 超快恢复时间
- 低反向漏电
- 耐瞬间正向浪涌电流冲击
- 耐高温焊接：引脚耐焊接热条件为 260°C/10 秒
- 符合 EU RoHS 2002/95/1 指令要求

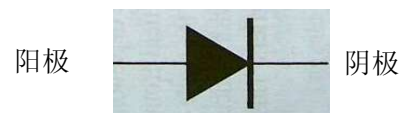


Dimensions in inches and (millimeters)

### 外观参数:

- 封装：符合 JEDEC DO-214AB, 玻璃钝化芯片结合外部塑封
- 引脚：表面镀锡，可焊性参照 MIL-STD-750, Method 2026
- 标准包装：16mm 包装带
- 重量：约 0.25 克
- 极性标示：激光打印，阴极标有阴极线条

### 电气符号:



## 额定参数表：

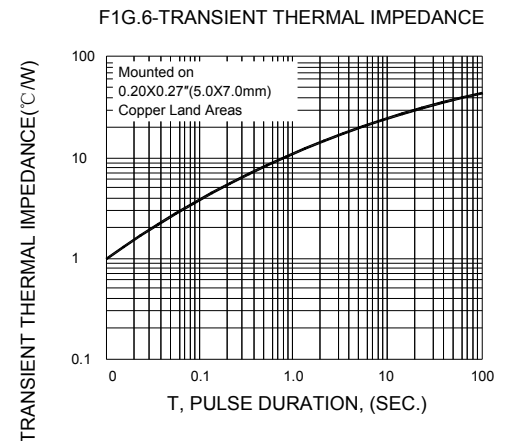
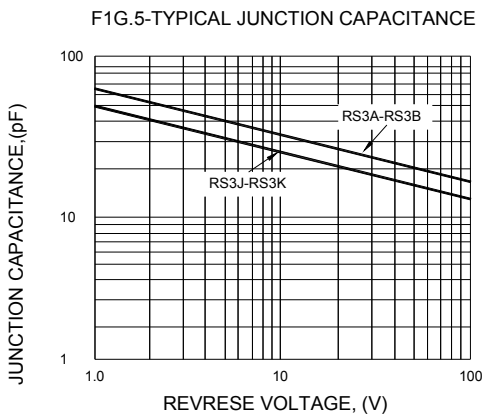
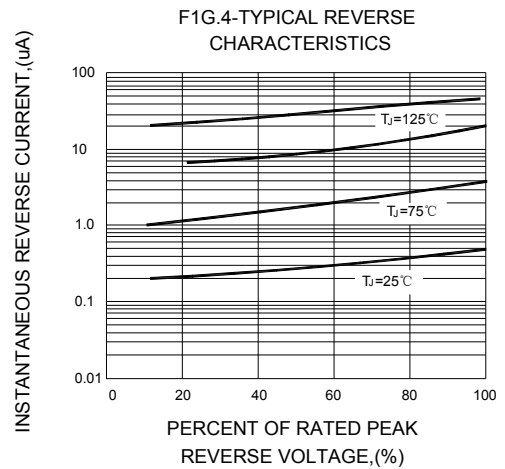
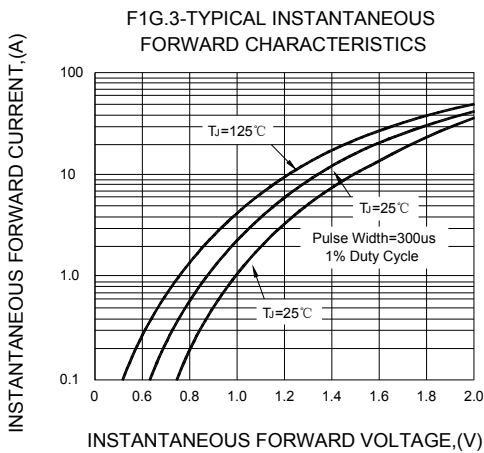
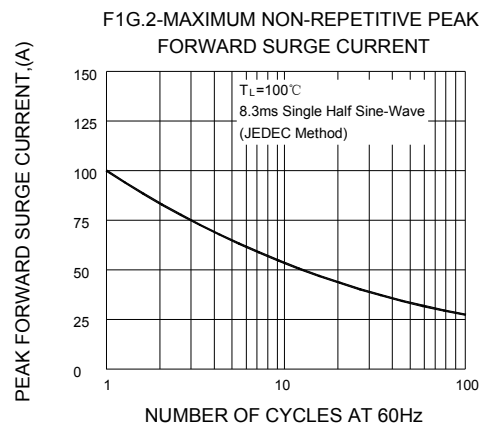
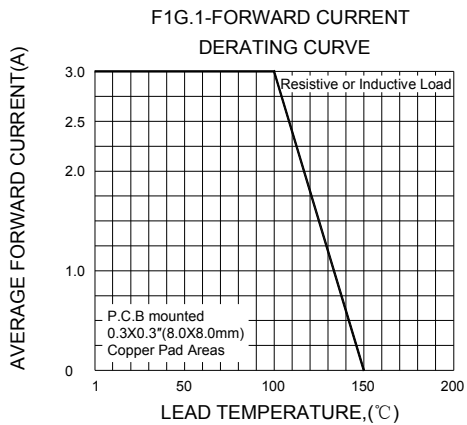
如无特殊说明，参数均在温度 25℃ 条件下测试。单相，半波，60Hz，阻性或感性负载。对于容性负载，电流参数需下降 20%

	SYMBOLS	RS3A	RS3B	RS3D	RS3G	RS3J	RS3K	RS3M	UNIT
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at $T_L=100^\circ\text{C}$	$I_{(AV)}$	3.0							Amps
Peak Forward Surge Current 8.3ms single half sine wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	100							Amps
Maximum Instantaneous Forward Voltage at 3.0A	$V_F$	1.3							Volts
Maximum DC Reverse Current at rated DC blocking voltage at	$T_A = 25^\circ\text{C}$	10.0							$\mu\text{A}$
	$T_A = 125^\circ\text{C}$	250							
Typical Reverse Recovery Time Test conditions $I_F=0.5\text{A}$ , $I_R=1.0\text{A}$ , $I_{RR}=0.25\text{A}$	$T_{rr}$	150				250	500		ns
Typical Junction Capacitance (NOTE 2)	$C_J$	60							pF
Typical Thermal Resistance (NOTE 1)	$R_{\theta JA}$	50							$^\circ\text{C}/\text{W}$
	$R_{\theta JL}$	15							
Operating Junction Temperature Range	$T_J$	-55 to +150							$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-55 to +150							$^\circ\text{C}$

典型特性曲线图:

如无特殊说明, 参考温度均为  $T_c = 25^\circ\text{C}$

RATINGS AND CHARACTERISTIC CURVES RS3A THRU RS3M



### 成品出货质量水准:

基于 MIL-STD-105E LEVEL II 标准, OQC 为:

Item	Critical	Major	Minor
AQL (%)	0.01	0.10 (Electrical)	1.00
		0.25 (Physical)	

### 标识、存储和货运:

1. 印于管体的型号商标等信息, 可由客户提出, 我司将按照客户采购要求执行。
2. 产品装于硬纸箱内, 每箱标准的包装数量, 可由客户提出, 我司将按照客户采购要求执行, 并通过国内快递运输至客户仓库。
3. 请始终保持产品储存在相对湿度低于 75% 的环境中。