

## 表面安装普通整流二极管

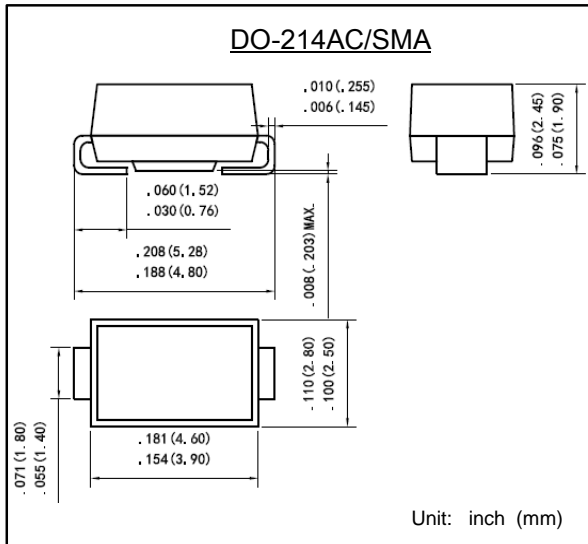
反向电压 50 ~ 1000 V

正向电流 3.0 A

## Surface Mount General-purpose Rectifiers

Reverse Voltage 50 ~ 1000 V

Forward Current 3.0 A



### 特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力强 High forward surge capability
- 高信赖性 High reliability
- 高温焊接保证 High temperature soldering guaranteed:  
260°C/10 秒  
260°C/10seconds
- 引线 and 管体皆符合RoHS标准  
Lead and body according with RoHS standard
- 型号后缀“-F”标记无卤素产品  
Green compound with suffix "-F" on Marking

### 机械数据 Mechanical Data

- 封装外形:DO-214AC 塑封 Case:DO-214AC Molded plastic
- 环氧树脂:UL易燃等级:94V-0  
Epoxy:UL 94V-0 rate flame retardant
- 引脚:镀锡,无铅 Lead: Pure tin plated, lead free

### 最大值和特性 TA = 25°C 除非另有规定。

### Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	S3AA	S3BA	S3DA	S3GA	S3JA	S3KA	S3MA	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
最大均方根电压 Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
最大直流阻断电压 Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{F(AV)}$	3.0							A
正向不重复浪涌电流 8.3 ms单一正弦半波 Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	$I_{FSM}$	80							A
最大正向电压 @ $I_F=3.0A$ Maximum forward voltage	$V_F$	1.1							V
最大反向电流 @ $V_{DC}$ Maximum reverse current	$I_R$	5							μA
		100							
典型热阻 Typical thermal resistance (Note 1)	$R_{\theta JA}$	85							°C/W
典型结电容 VR=4.0V,f=1MHz Type junction capacitance	$C_J$	40							pF
工作结温和存储温度 Operating junction and storage temperature rang	$T_J, T_{STG}$	-55 --- +150							°C

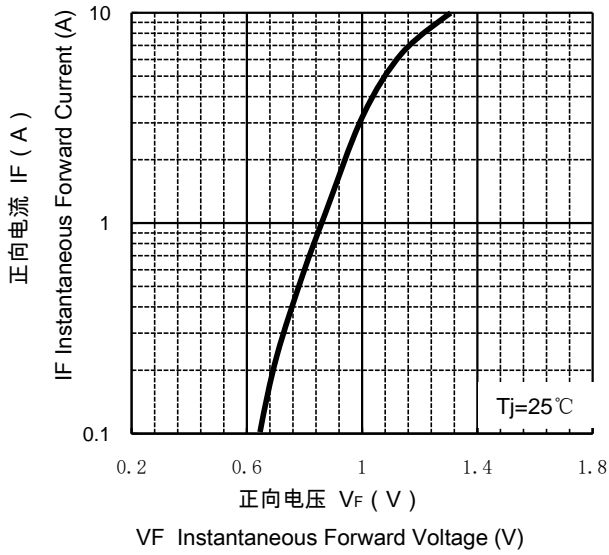
备注 Note:

1) 安装在PCB板上,从PN结到周围环境的热阻。

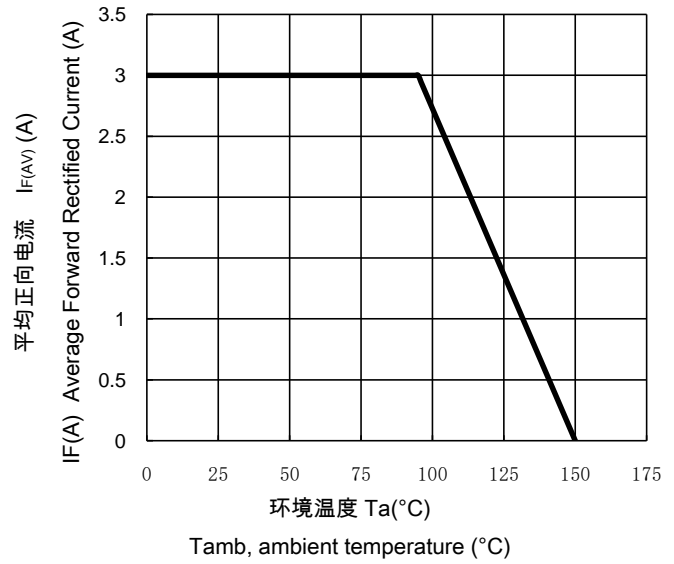
1) Thermal resistance from junction to ambient, PCB mounted.

## 特性曲线 Characteristic Curves

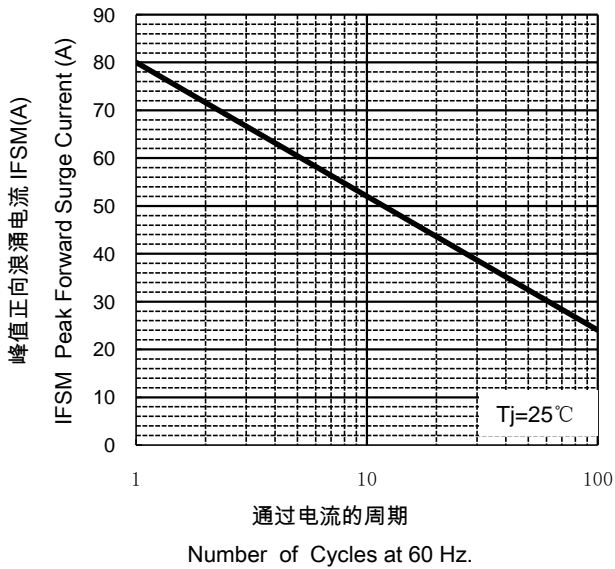
正向特性曲线 (典型值)  
TYPICAL FORWARD CHARACTERISTIC



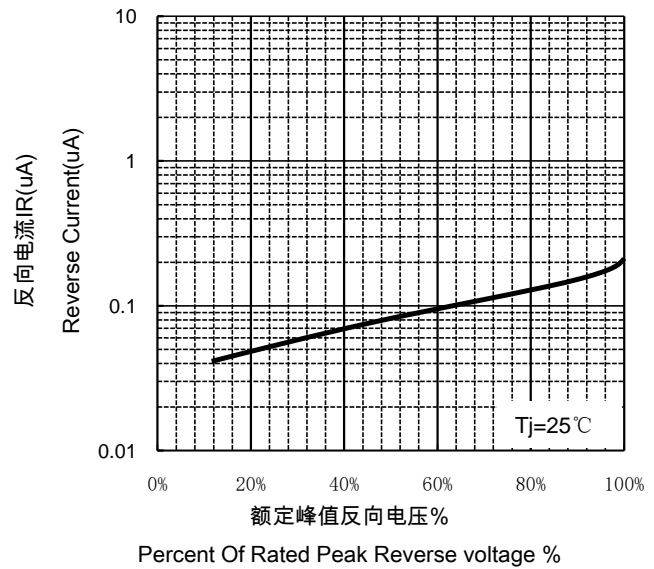
正向电流降额曲线  
FORWARD CURRENT DERATING CURVE



浪涌特性曲线 (最大值)  
MAXIMUM NON REPETITIVE  
PEAK FORWARD SURGE CURRENT



反向特性曲线  
Typical Reverse Characteristics



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Diodes - General Purpose, Power, Switching category:](#)*

*Click to view products by [ZHIDE manufacturer:](#)*

Other Similar products are found below :

[MMBD3004S-13-F](#) [RD0306T-H](#) [BAV17-TR](#) [BAV19-TR](#) [1N3611](#) [NTE156A](#) [NTE574](#) [NTE6244](#) [1SS181-TP](#) [1SS193,LF](#) [1SS400CST2RA](#)  
[SDAA13](#) [SHN2D02FUTW1T1G](#) [LS4151GS08](#) [1N4449](#) [1N456A](#) [1N4934-E3/73](#) [1N914B](#) [1N914BTR](#) [1SS226-TP](#) [RFUH20TB3S](#)  
[D291S45T](#) [BAV300-TR](#) [BAW56DWQ-7-F](#) [BAW75-TAP](#) [MM230L-CAA](#) [IDW40E65D1](#) [JAN1N3600](#) [LL4151-GS18](#) [053684A](#)  
[SMMSD4148T3G](#) [707803H](#) [NSVDAN222T1G](#) [CDSZC01100-HF](#) [LL4150-M-08](#) [1N4454-TR](#) [BAV199E6433HTMA1](#) [BAS28-7](#)  
[BAW56HDW-13](#) [BAS28 TR](#) [VS-HFA04SD60STR-M3](#) [NSVM1MA152WKT1G](#) [RGP30D-E3/73](#) [BAV99TQ-13-F](#) [BAS21DWA-7](#)  
[BAV99HDW-13](#) [NTE6250](#) [NTE582-4](#) [NTE582-6](#) [MMDB30-E28X](#)