



SR10200L

肖特基二极管 Schottky Rectifier

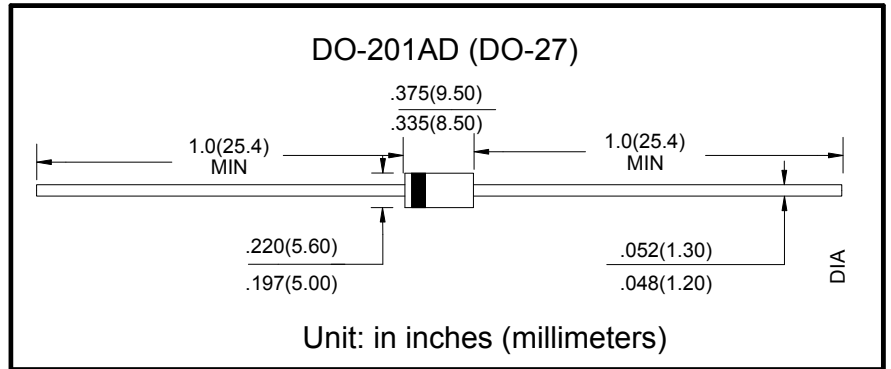
■特征 Features

- I_o 10.0A
- VRRM 200V
- 耐正向浪涌电流能力高
- High surge current capability
- 低正向压降
- Low forward voltage drop

■用途 Applications

- 整流用 Rectifier

■外形尺寸和印记 Outline Dimensions and Mark



■极限值 (绝对最大额定值)

Limiting Values (Absolute Maximum Rating)

参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	SR10200L
反向重复峰值电压 Repetitive Peak Reverse Voltage	VRRM	V		200
正向平均电流 Average Forward Current	$I_{F(AV)}$	A	(正弦半波 60HZ, 电阻负载, $T_a=75^\circ\text{C}$); (60HZ Half-sine wave, Resistance load, $T_a=75^\circ\text{C}$)	10.0
正向(不重复)浪涌电流 Surge(Non-repetitive)Forward Current	I_{FSM}	A	(正弦半波 60HZ, 一个周期, $T_a=25^\circ\text{C}$) (60HZ Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$)	150
结温 Junction Temperature	T_j	$^\circ\text{C}$		-55~+150
储存温度 Storage Temperature	T_{stg}	$^\circ\text{C}$		-55 ~ +150

■电特性 ($T_a=25^\circ\text{C}$ 除非另有规定)

Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition	最大值 Max	
正向峰值电压 Peak Forward Voltage	V_{FM}	V	$I_{FM}=10.0A$	0.80	
反向峰值电流 Peak Reverse Current	I_{RRM1}	mA	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$	0.2
	I_{RRM2}			$T_a=100^\circ\text{C}$	50
热阻(典型) Thermal Resistance(Typical)	$R_{\theta J-A}$	$^\circ\text{C}/W$	结和环境之间 Between junction and ambient	10	
	$R_{\theta J-L}$		结和引线之间 Between junction and lead	8	
结电容 Typical junction capacitance	C_j	pF	Measured at 1MHZ and Applied Reverse Voltage of 4.0 V.D.C.	600	



■特性曲线（典型） Characteristics(Typical)

FIG.1 正向电流降额曲线
FORWARD CURRENT DERATING CURVE

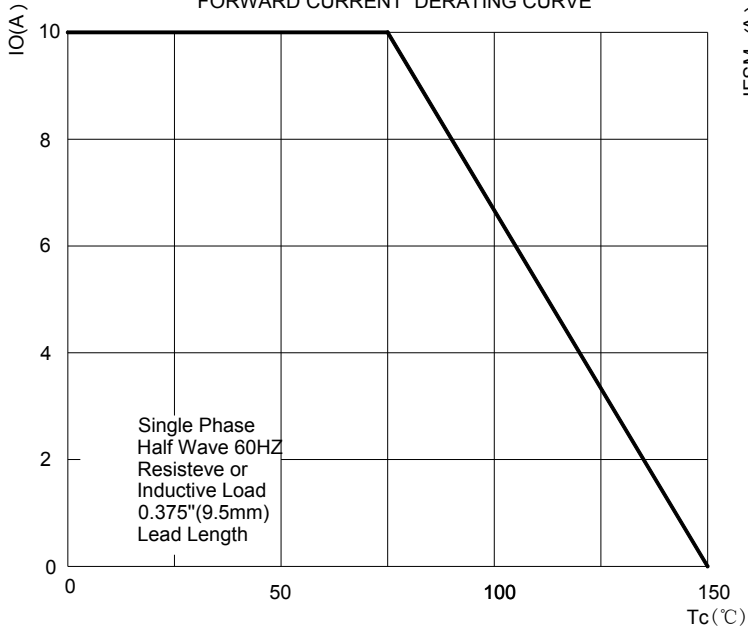


FIG.2 最大正向浪涌冲击耐受
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

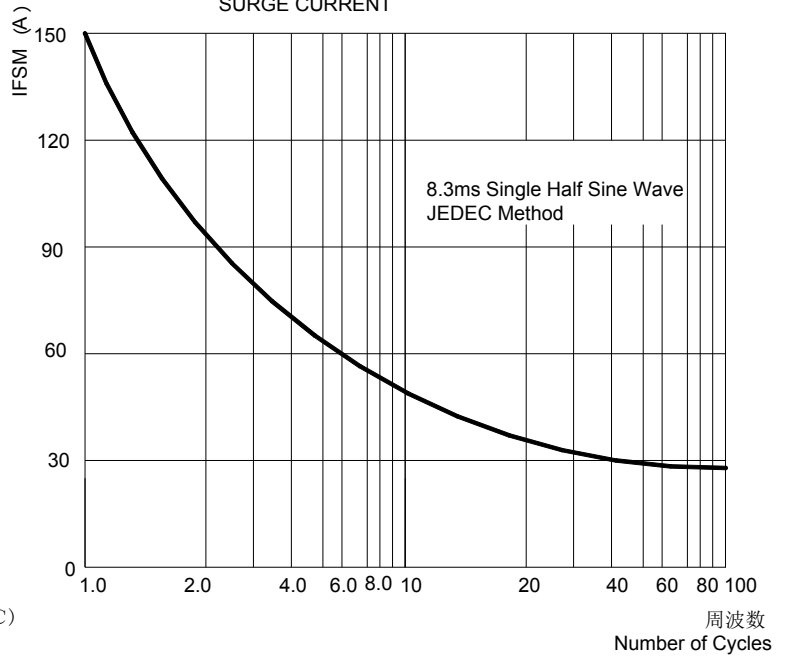


FIG.3 典型正向特性曲线
TYPICAL FORWARD CHARACTERISTICS

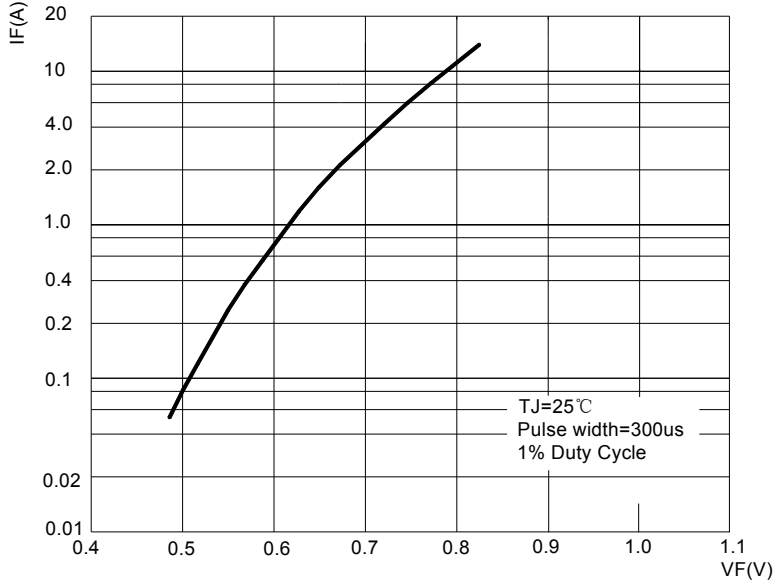


FIG.4 典型反向特性曲线
TYPICAL REVERSE CHARACTERISTICS

