

# Schottky Rectifier

## Outline Dimensions and Mark

### Features

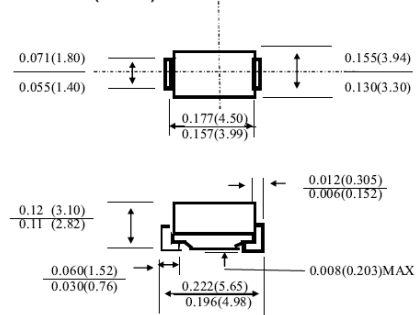
- $I_o$  2.0A
- $V_{RRM}$  20V-100V
- High surge current capability
- Cases: Molded plastic

### Applications

- Rectifier

### Limiting Values (Absolute Maximum Rating)

DO - 214AA(SMB)



inch ( mm )

Item	Symbol	Unit	Test Conditions	SS 22	SS 23	SS 24	SS 25	SS 26	SS 29	SS 210		
Repetitive Peak Reverse Voltage	$V_{RRM}$	V		20	30	40	50	60	90	100		
Average Forward Current	$I_{F(AV)}$	A	60HZ Half-sine wave, Resistance load, TL(Fig.1)	2.0								
Surge(Non-repetitive)Forward Current	$I_{FSM}$	A	60Hz Half-sine wave ,1 cycle , $T_a=25^{\circ}C$	50								
Junction Temperature	$T_J$	$^{\circ}C$		-55~+125			-55~+150					
Storage Temperature	$T_{STG}$	$^{\circ}C$		-55 ~ +150								

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

Item	Symbol	Unit	Test Condition	SS 22	SS 23	SS 24	SS 25	SS 26	SS 29	SS 210
Peak Forward Voltage	$V_F$	V	$I_F=2.0A$	0.50			0.70		0.85	
Peak Reverse Current	$I_{RRM1}$	mA	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}C$			0.5		0.1	
	$I_{RRM2}$			$T_a=100^{\circ}C$			10		5.0	
Thermal Resistance(Typical)	$R_{\theta J-A}$	$^{\circ}C/W$	Between junction and ambient	75 <sup>1)</sup>						
	$R_{\theta J-L}$		Between junction and terminal	17 <sup>1)</sup>						

### Notes:

- 1) Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.3" x 0.3" (8.0 mm x 8.0 mm) copper pad areas



### ■ Characteristics(Typical)

FIG.1: FORWARD CURRENT DERATING CURVE

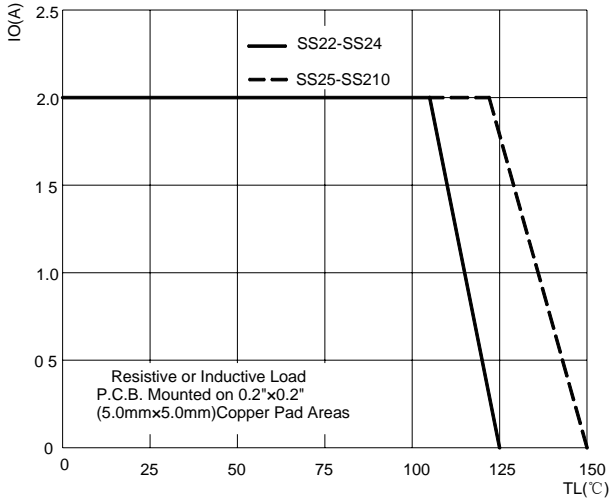


FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

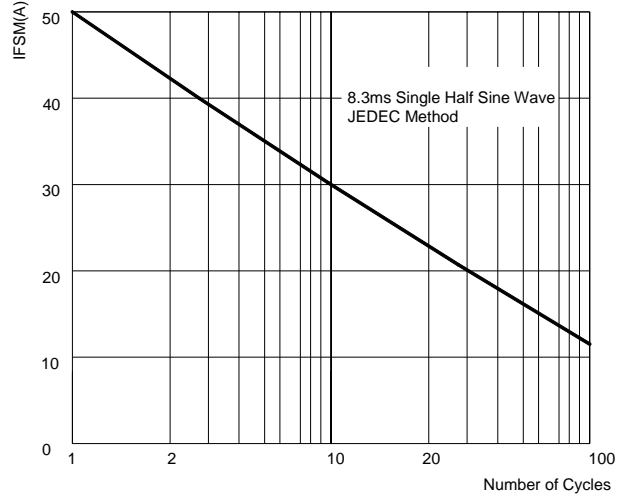


FIG.3: TYPICAL FORWARD CHARACTERISTICS

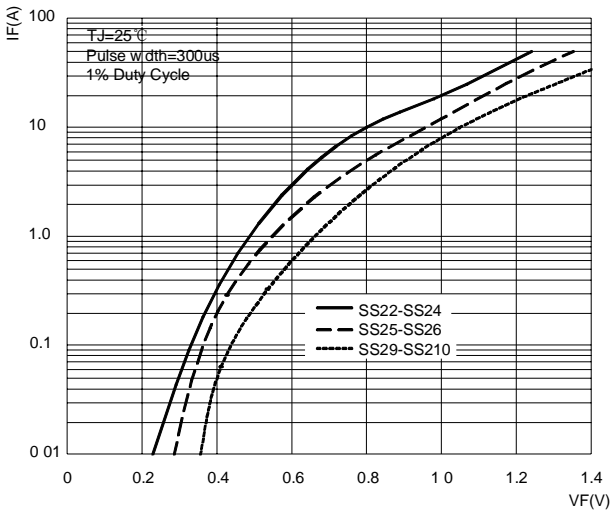


FIG.4: TYPICAL REVERSE CHARACTERISTICS

