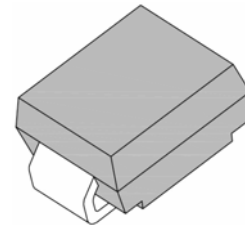


**2.0A Surface Mount Schottky Rectifier**

**Features**

- For surface mount applications
- Metal-Semiconductor Junction with Guarding
- Epitaxial Construction
- Very low forward voltage drop
- High current capability
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications
- High temperature soldering guaranteed: 250° C/10 seconds at terminals
- RoHS compliant



**SMB  
(DO-214AA)**



**Mechanical Data**

<b>Case:</b>	JEDEC DO-214AA, Molded plastic body
<b>Epoxy:</b>	Plastic package has UL flammability classification 94V-0
<b>Terminals:</b>	Solder plated, solderable per MIL-STD-750, Method 2026
<b>Polarity</b>	Color band denotes the cathode end
<b>Weight:</b>	0.003 ounce, 0.093 gram

**Maximum Ratings & Electrical Characteristics** ( $T_{Ambient}=25^{\circ}C$  unless noted otherwise)

Symbols	Description	SS22	SS23	SS24	SS25	SS26	SS29	SS210	Unit	Conditions
	Device Marking Code	S2/SS22	S3/SS23	S4/SS24	S5/SS25	S6/SS26	S9/SS29	S10/SS210		
<b>VRRM</b>	Maximum Repetitive Peak Reverse Voltage	20	30	40	50	60	90	100	V	
<b>VRMS</b>	Maximum RMS Voltage	14	21	28	35	42	63	70	V	
<b>VDC</b>	Maximum DC Blocking Voltage	20	30	40	50	60	90	100	V	
<b>IF(AV)</b>	Maximum Average Forward Rectified Current (FIG.1)	2.0							A	TL=105° C
<b>IFSM</b>	Peak Forward Surge Current	50							A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
<b>VF</b>	Maximum Instantaneous Forward Voltage at 2.0A DC	0.50			0.70		0.79		V	
<b>IR</b>	Maximum DC Reverse Current at Rated DC Blocking Voltage (Note 1)	0.5							mA	TA=25 °C
		15								TA=100 °C

# 2.0A Surface Mount Schottky Rectifier

## SS22 - SS210

Symbols	Description	SS22	SS23	SS24	SS25	SS26	SS29	SS210	Unit	Conditions
C <sub>J</sub>	Typical Junction Capacitance (Note 1)	75							pF	
R <sub>θJL</sub>	Maximum Thermal Resistance Junction to Lead	15							° C/W	
T <sub>J</sub>	Operating Junction Temperature Range	-55 to +125							° C	
T <sub>STG</sub>	Storage Temperature Range	-55 to +150							° C	

**Note:** 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC

### Typical Characteristics Curves

Fig.1- Forward Current Derating Curve

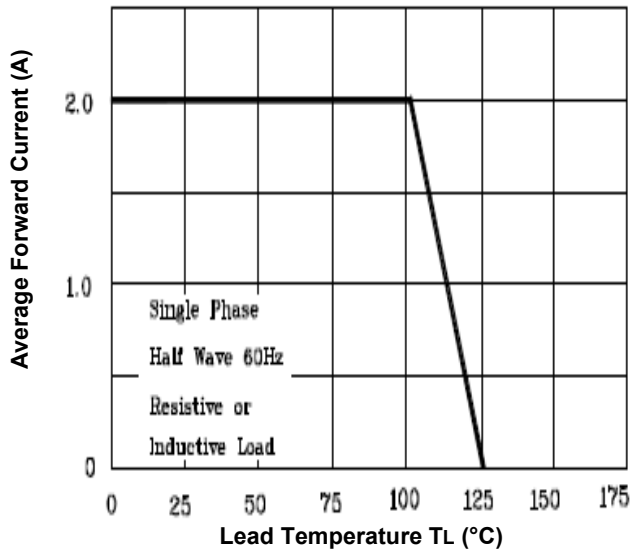
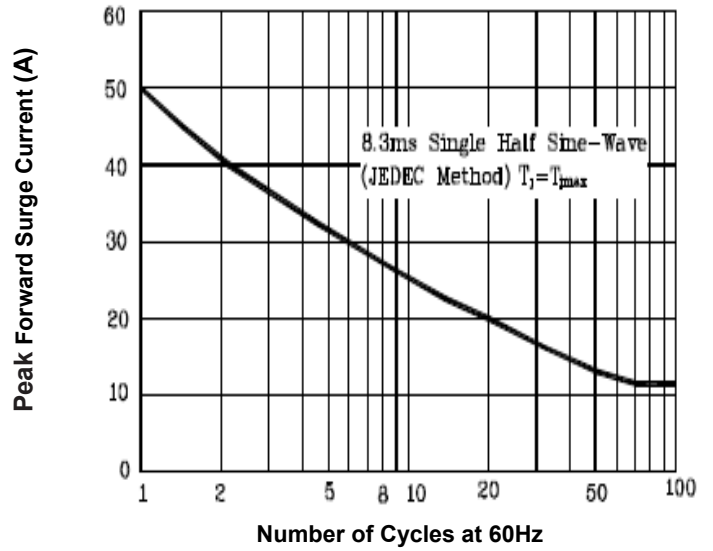


Fig.2- Max. Non-Repetitive Forward Surge Current



# 2.0A Surface Mount Schottky Rectifier

SS22 - SS210

Fig.3- Typical Instantaneous Forward Characteristics

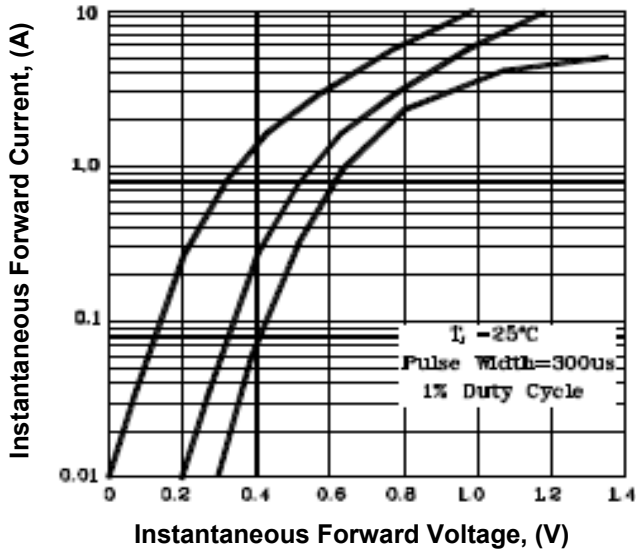


Fig.4- Typical Reverse Characteristics

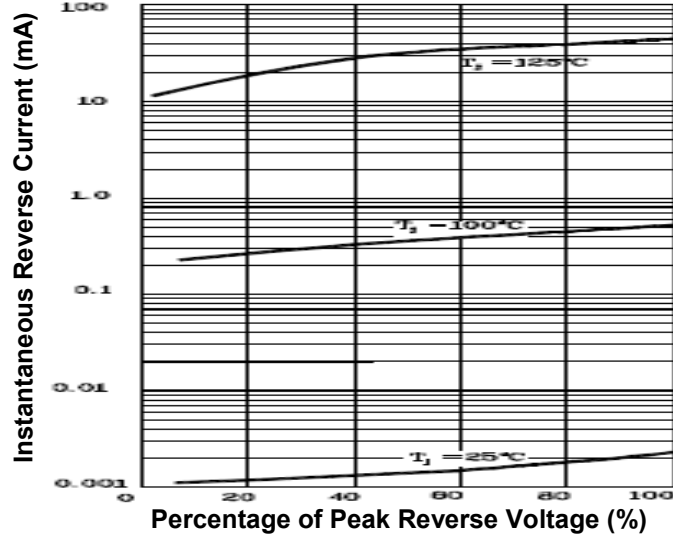
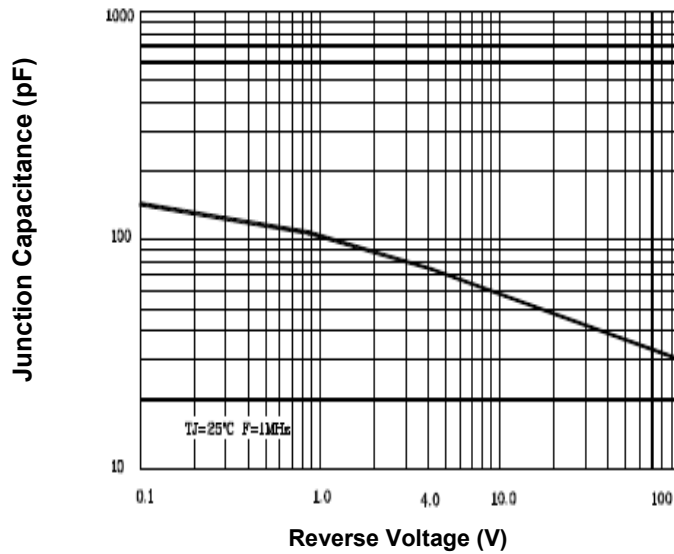


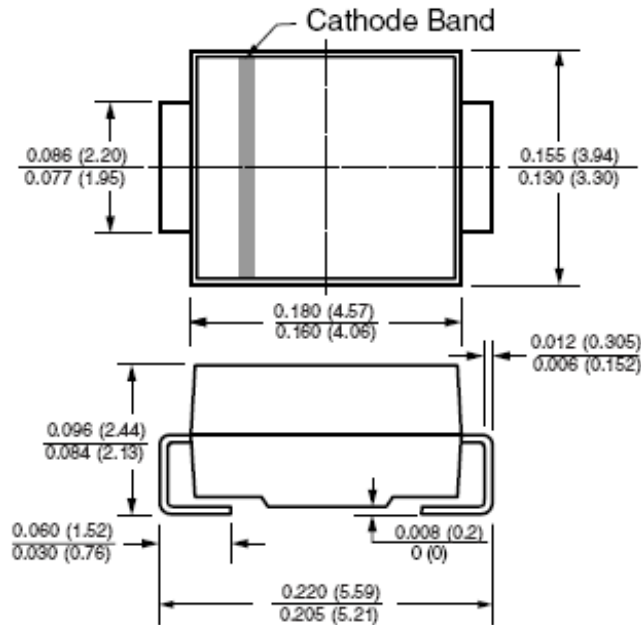
Fig.5- Typical Junction Capacitance



## 2.0A Surface Mount Schottky Rectifier

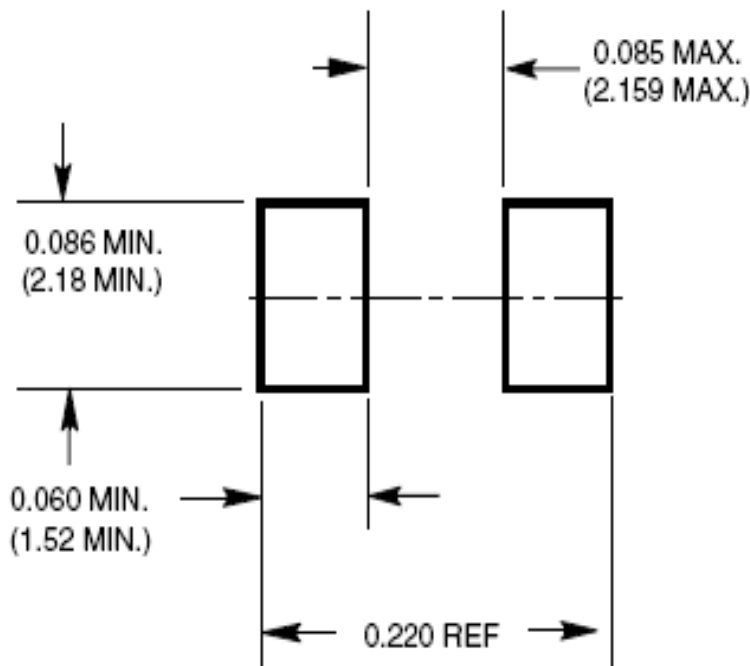
SS22 - SS210

### Dimensions in inches (mm)



SMB  
DO214AA

### Mounting Pad Layout in inches (mm)



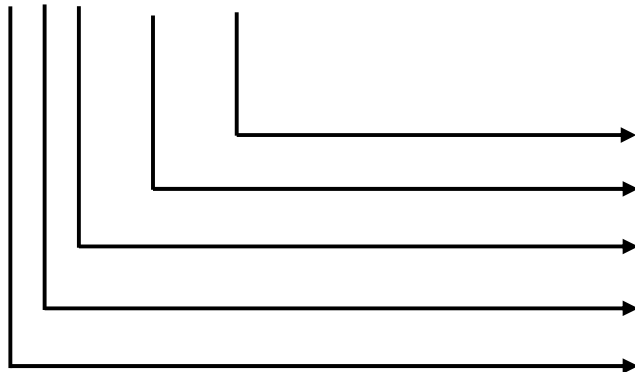
**TAITRON**  
components incorporated

# 2.0A Surface Mount Schottky Rectifier

SS22 - SS210

## Ordering Information

SS 2 X - XX - XX



Packing Code  
TR70: 7" Tape & Reel, RoHS  
TR30: 13" Tape & Reel, RoHS  
Factory Location Code  
Voltage Rating  
Current Rating: 2A  
Schottky Rectifier

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