

### 3.0A Surface Mount Schottky Rectifier

#### Features

- Low Profile in SMB Package
- High current capability, low forward voltage drop
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High temperature soldering guaranteed: 260° C/10 seconds, at terminals
- RoHS compliant



SMB  
(DO-214AA)



#### Mechanical Data

<b>Case:</b>	JEDEC DO-214AA, Molded plastic body
<b>Terminals:</b>	Solder plated, solderable per MIL-STD-750D, Method 2026
<b>Polarity</b>	Color band denotes the cathode end

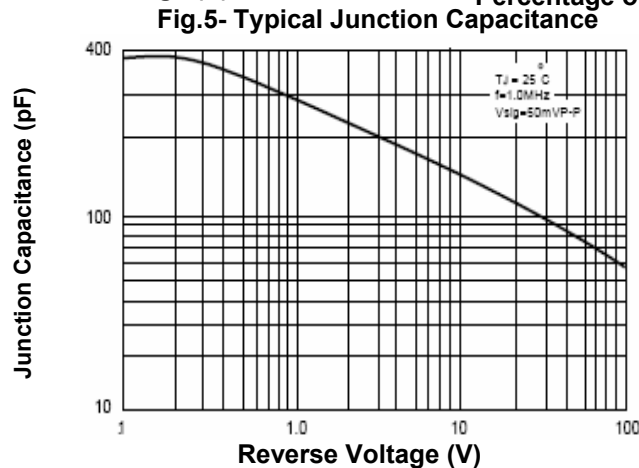
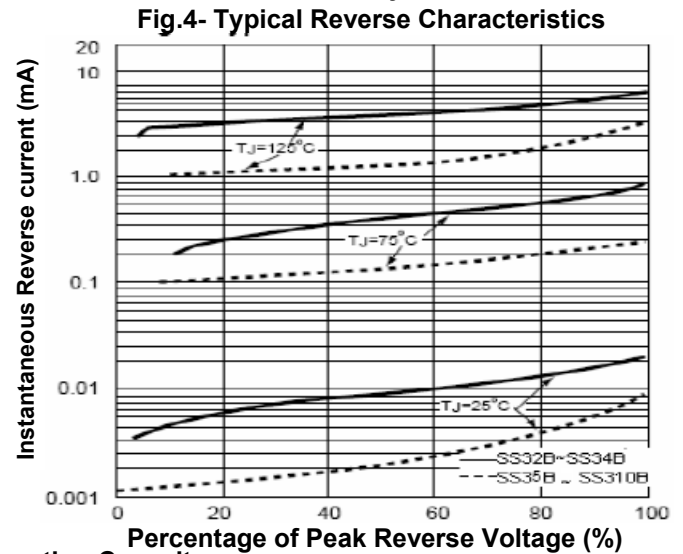
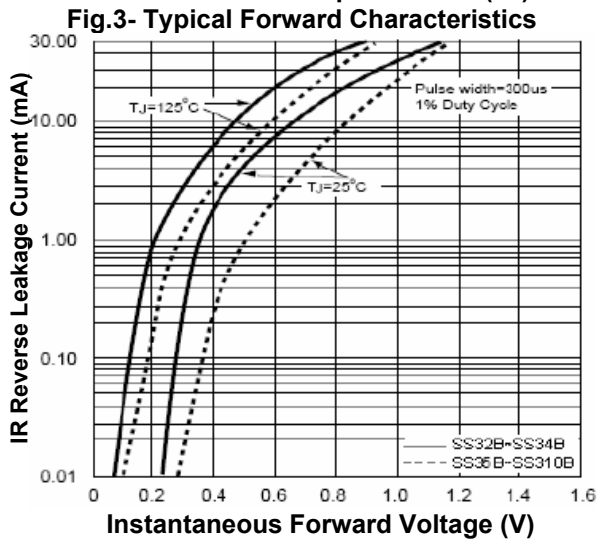
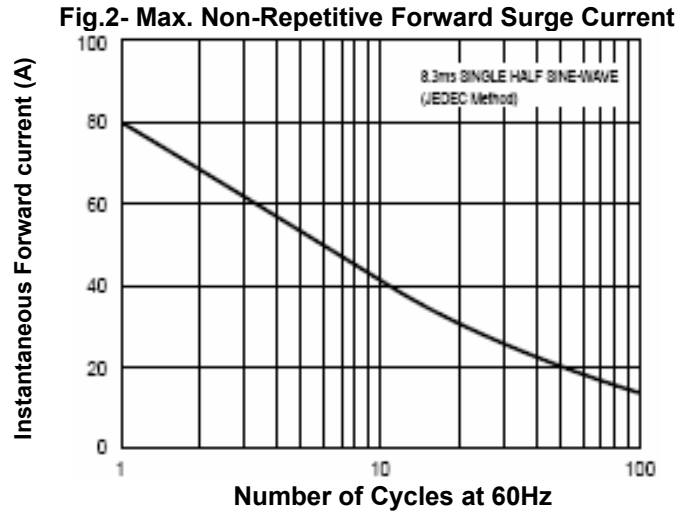
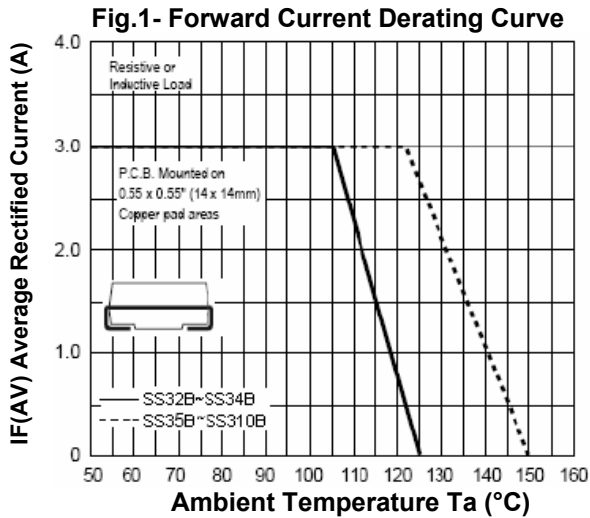
#### Maximum Ratings & Electrical Characteristics *(T<sub>Ambient</sub>=25°C unless noted otherwise)*

Symbols	Description	SS 32B	SS 33B	SS 34B	SS 35B	SS 36B	SS 38B	SS 39B	SS 310B	Unit	Conditions
<b>VRRM</b>	Maximum Repetitive Peak Reverse Voltage	20	30	40	50	60	80	90	100	V	
<b>VRMS</b>	Maximum RMS Voltage	14	21	28	35	42	56	63	70	V	
<b>VDC</b>	Maximum DC Blocking Voltage	20	30	40	50	60	80	90	100	V	
<b>I(AV)</b>	Maximum Average Forward Rectified Current (FIG.1)	3.0								A	
<b>IFSM</b>	Peak Forward Surge Current (JEDEC Method)	80.0								A	8.3ms single half sine-wave
<b>VF</b>	Maximum Instantaneous Forward Voltage at 3.0A	0.50		0.75		0.85				V	Pulse width=300µS, 1% duty cycle
<b>IR</b>	Maximum DC Reverse Current at Rated DC Blocking Voltage	0.5								mA	T <sub>j</sub> = 25 °C
		20		10							T <sub>j</sub> = 100 °C
<b>RθJA</b> <b>RθJL</b>	Maximum Thermal Resistance, Junction to Ambient	17								° C/W	PCB mounted with copper pad area of 0.55 x 0.55" ( 14 x 14mm )
		55									
<b>CJ</b>	Typical Junction Capacitance (NOTE)	200								pf	VR=4V, f=1MHz
<b>TJ</b>	Operating Junction Temperature Range	-55 to +125			-55 to +150					° C	
<b>TSTG</b>	Storage Temperature Range	-55 to +150								° C	

# 3.0A Surface Mount Schottky Rectifier

## SS32B - SS310B

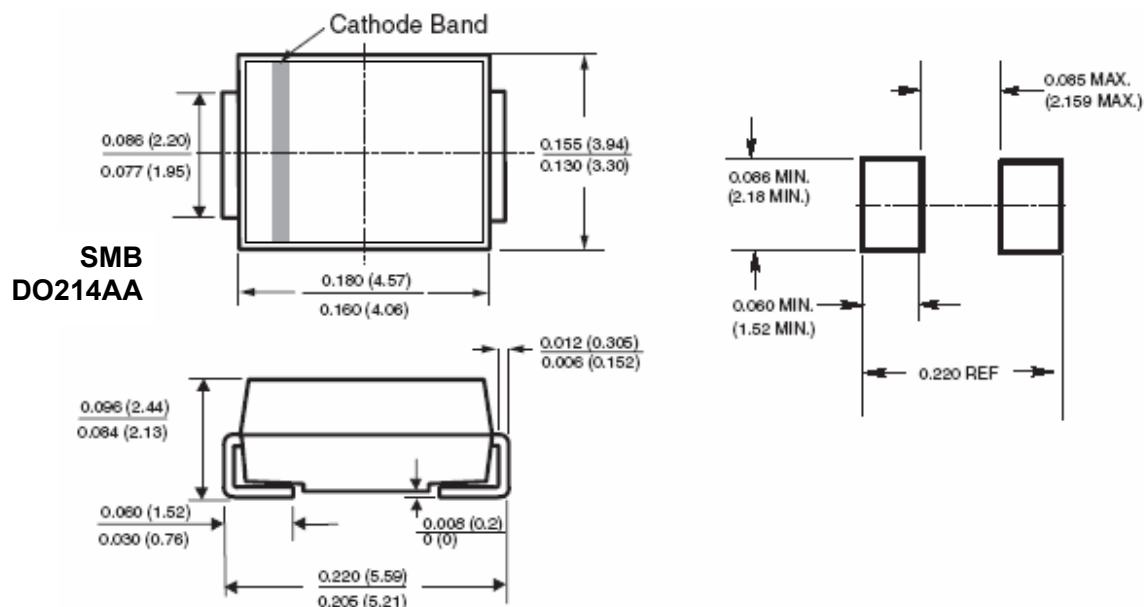
### Typical Characteristics Curves



## 3.0A Surface Mount Schottky Rectifier

SS32B - SS310B

### Dimensions in inches (mm)



### How to contact us:

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