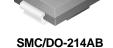


- Easy pick and place.
- High surge current capability.



COLOR BAND DENOTES CATHODE

# **Schottky Rectifiers**

### Absolute Maximum Ratings\* $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter		Value							
			33	34	35	36	38	39	310	
V <sub>RRM</sub>	Maximum Repetitive Reverse Voltage		30	40	50	60	80	90	100	V
I <sub>F(AV)</sub>	Average Rectified Forward Current, @ T <sub>A</sub> = 75°C	3.0					А			
I <sub>FSM</sub>	Non-repetitive Peak Forward Surge Current 100   8.3 ms Single Half-Sine-Wave 100				А					
T <sub>sta</sub>	Storage Temperature Range -55 to +150				°C					
TJ	Operating Junction Temperature -55 to +150					°C				

\*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

### **Thermal Characteristics**

Symbol	Parameter	Value	Units		
P <sub>D</sub>	Power Dissipation	2.27	W		
R <sub>eJA</sub>	Thermal Resistance, Junction to Ambient *	55	°C/W		
$R_{ extsf{ hetaJL}}$	Thermal Resistance, Junction to Lead	17	°C/W		

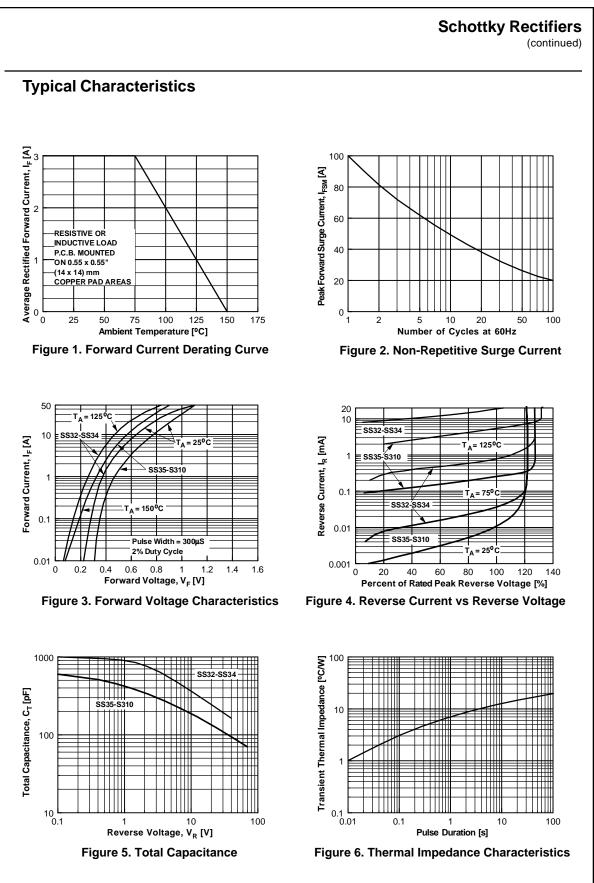
\*Device mounted on FR-4 PCB 0.55 x 0.55" (14 x 14 mm).

## Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter			Device							
				33	34	35	36	38	39	310	
V <sub>F</sub>	Forward Voltage @ 3.0 A			500		750		850			mV
I <sub>R</sub>	Reverse Current @ rated $V_R$	T <sub>A</sub> = 25°C		0.5							mA
		T <sub>A</sub> = 100°C		20			10				mA

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SS32-S310



SS32 - S310, Rev. D

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Definition of Terms

Product Status	Definition							
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