

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



SMC/DO-214AB 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 _{RRM}	Maximum Repetitive Reverse Voltage		30	40	50	60	80	90	100	V
I _{F(AV)}	Average Rectified Forward Current, @ T _A = 75°C	ge Rectified Forward Current, @ $T_A = 75^{\circ}C$ 3.0					А			
I _{FSM}	Non-repetitive Peak Forward Surge Current 100 8.3 ms Single Half-Sine-Wave 100					А				
T _{sta}	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 _D	Power Dissipation	2.27	W
R _{eJA}	Thermal Resistance, Junction to Ambient *	55	°C/W
$R_{_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	Thermal Resistance, Junction to Lead	17	°C/W

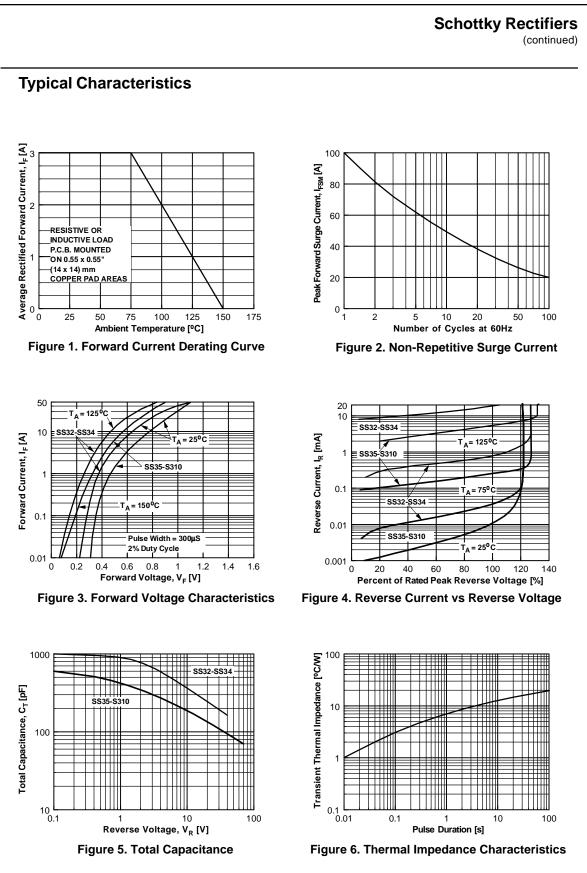
*Device mounted on FR-4 PCB 0.55 x 0.55" (14 x 14 mm).

Electrical Characteristics $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter			Device							
				33	34	35	36	38	39	310	1
V _F	Forward Voltage @ 3.0 A			500		750		850			mV
I _R	Reverse Current @ rated V_R	T _A = 25°C		0.5							mA
		$T_{A} = 100^{\circ}C$		20	10					mA	

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SS32-S310



SS32 - S310, Rev. D

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