

Schottky Rectifiers

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

Symbol	Parameter		Value							
		32	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, @ $T_A = 75^{\circ}C$	a = 75°C 3.0					А			
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave				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

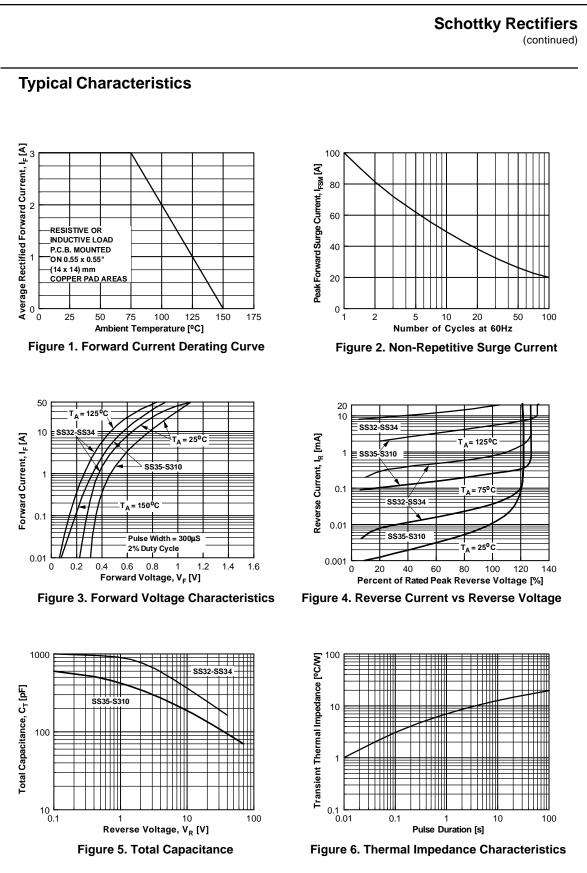
Symbol	Parameter	Value	Units		
P _D	Power Dissipation	2.27	W		
$R_{ extsf{ heta}JA}$	Thermal Resistance, Junction to Ambient *	55	°C/W		
$R_{ extsf{ hetaJL}}$	Thermal Resistance, Junction to Lead	17	°C/W		

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

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

Symbol	Parameter 正向导通电压		Device								Units
			32	33	34	35	36	38	39	310	
V _F	Forward Voltage @ 3.0 A			500		7	50		850	1	mV
I _R	Reverse Current @ rated V_R $T_A = 25^{\circ}C$		0.5							mA	
	T _A = 100°C	T _A = 100°C	20					10			mA

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SS32 - S310, Rev. D

SS32-S310

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