



3.0 Amp SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

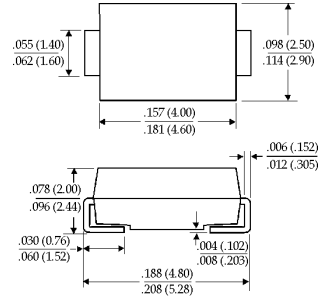
SS32A...SS36A Series

Description



**DO-214AC
(SMA)**

Mechanical Dimensions



Features

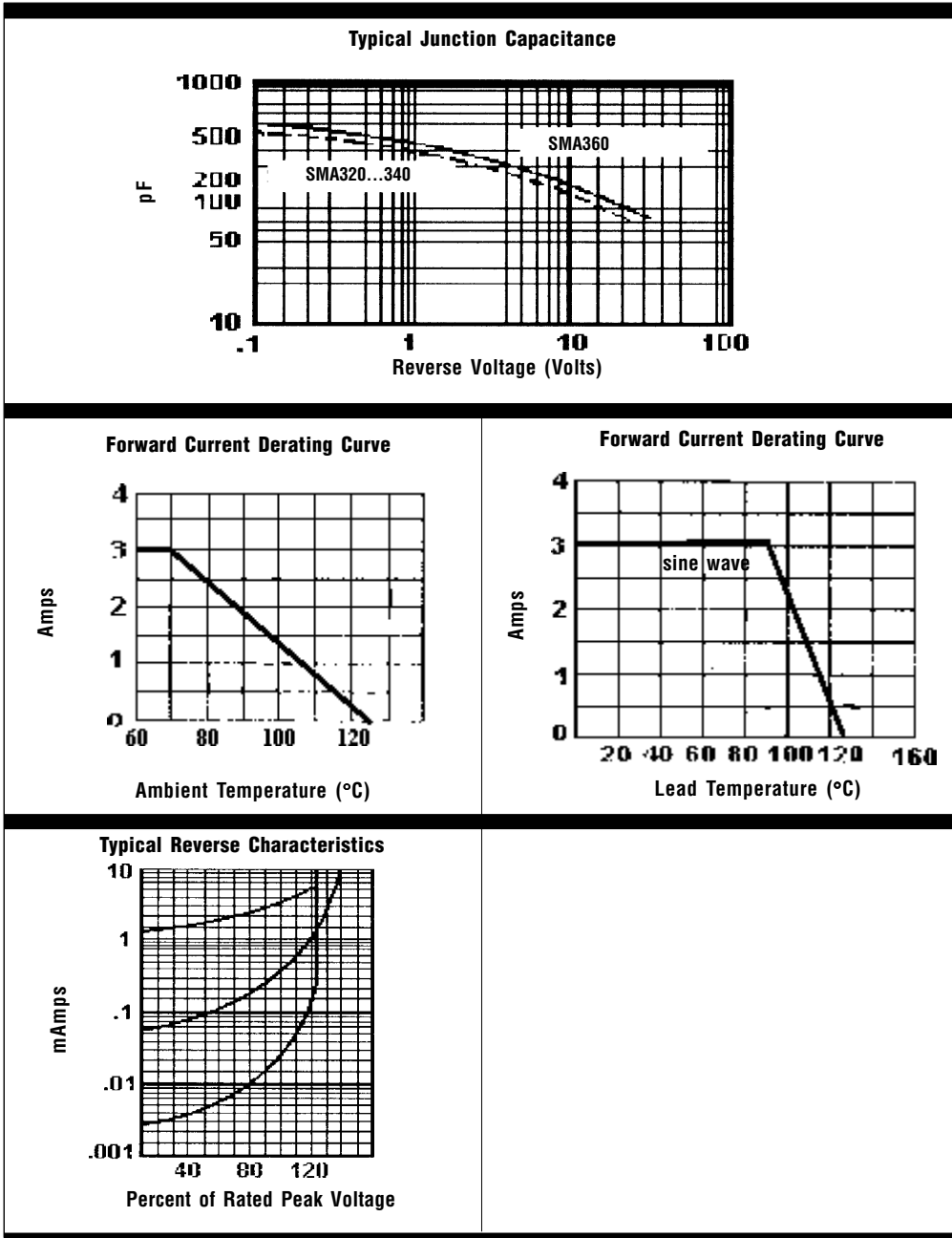
- EXTREMELY LOW V_f
- LOW STORED CHARGE
- LOW POWER LOSS - HIGH EFFICIENCY
- MAJORITY CARRIER CONDUCTION
- MEETS UL SPECIFICATION 94V-0

Electrical Characteristics @ 25°C.	SS32A...SS36A Series				Units
Maximum Ratings	20	30	40	60	
Peak Repetitive Reverse Voltage... V_{RRM}	20	30	40	60	Volts
Working Peak Reverse Voltage... V_{RWM}	20	30	40	60	Volts
DC Blocking Voltage... V_{DC}	20	30	40	60	Volts
RMS Reverse Voltage... $V_{R(rms)}$	14	21	28	42	Volts
Average Forward Rectified Current... $I_{F(av)}$	3.0				Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM}	80				Amps
Forward Voltage... V_f (Note 2)	.50	.55	.55	.75	Volts
DC Reverse Current... I_R @ Rated DC Blocking Voltage	$T_C = 25^\circ C$	0.5			mAmps
	$T_C = 100^\circ C$	20			mAmps
Typical Junction Capacitance... C_j (Note1)	250				pF
Typical Thermal Resistance... $R_{\theta JL}$	80				°C / W
Operating Temperature Range... T_J	-65 to 125				°C
Storage Temperature Range... T_{STRG}	-65 to 125				°C



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Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.

- NOTES:**
1. Measured @ 1 MHz and applied reverse voltage of 4.0V.
 2. Thermal Resistance Junction to Ambient, Jedec Method.
 3. When Mounted to heat sink, from body.