

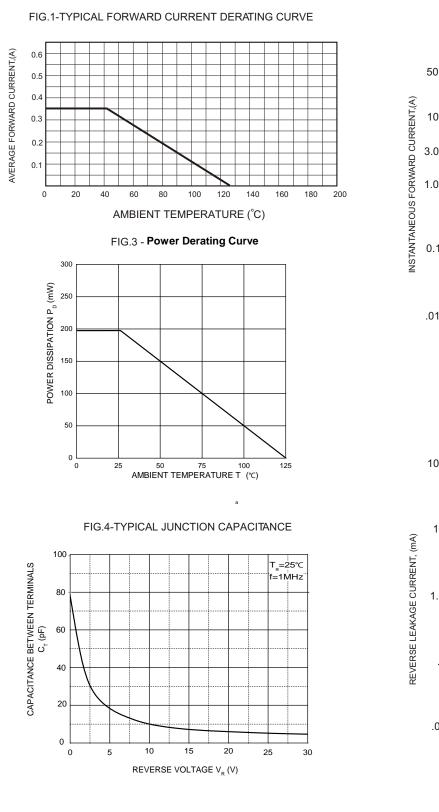
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER		SD103AW	UNITS
Maximum Recurrent Peak Reverse Voltage		40	V
Maximum RMS Voltage		21	V
Maximum DC Blocking Voltage		40	V
Maximum Average Forward Rectified C	Current		
See Fig. 1		0.35	A
Peak Forward Surge Current, 8.3 ms s	ingle half sine-wave		
superimposed on rated load (JEDEC method)		2	A
Maximum Instantaneous Forward Voltage at 0.2A		0.6	V
Maximum DC Reverse Current	Ta=25°C	0.05	mA
at Rated DC Blocking Voltage	Ta=100°C	8	mA
Typical Junction Capacitance (Note1)		20	pF
Typical Thermal Resistance R JA (Note 2)		400	°C/W
Operating Temperature Range TJ		-65 -+ + 125	°C
Storage Temperature Range Tsтg		-65-+150	°C

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance Junction to Ambient.



RATING AND CHARACTERISTIC CURVES (SD103AW)

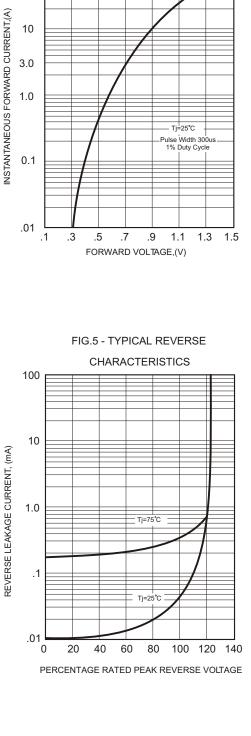


FIG.2-TYPICAL FORWARD

CHARACTERISTICS

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