# DC COMPONENTS CO., LTD.

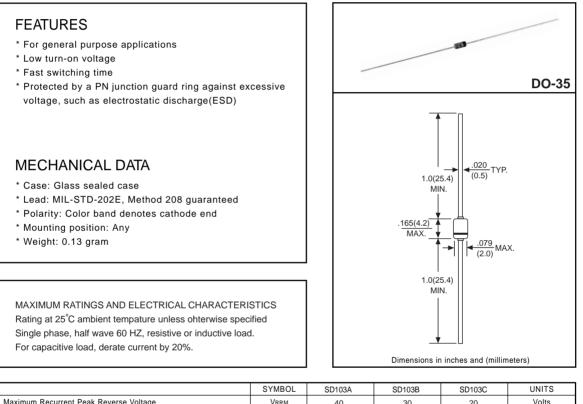
## **RECTIFIER SPECIALISTS**

SD103A THRU SD103C

# TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE - 20 to 40 Volts

#### CURRENT - 0.35 Ampere

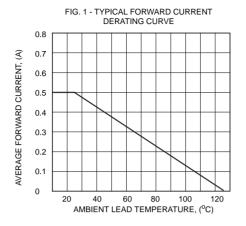


		SYMBOL	SD103A	SD103B	SD103C	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	40	30	20	Volts
Maximum RMS Voltage		Vrms	28	21	14	Volts
Maximum DC Blocking Voltage		VDC	40	30	20	Volts
Maximum Average Forward Rectified Current at TA=25°C		ю	0.35			Amps
Peak Forward Surge Current at t=0.3mS		IFSM	15			Amps
Maximum Instantaneous Forward Voltage	@ IF=0.2A	VF	0.6			Volts
	@ IF=0.02A		0.37			
Maximum DC Reverse Current		IR	5.0 @ VR=30V	5.0 @ VR=20V	5.0 @ VR=10V	μAmps
Typical Thermal Resistance (Note1)		RθJA	300			°C/W
Typical Junction Capacitance (Note 2)		CJ	50		pF	
Storage Operating Temperature Range		TJ, TSTG	-55 to +125			٥C

Note: 1. Leads maintained at specified ambient temperature at a distance of 4.0mm from case.

2. Measured at 1 MHz and applied reverse voltage of 0 volts.

# **RATING AND CHARACTERISTIC CURVES (SD103A THRU SD103C)**



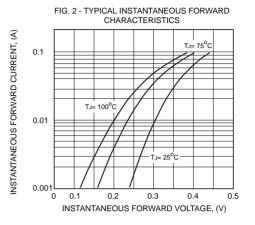
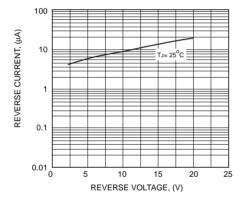
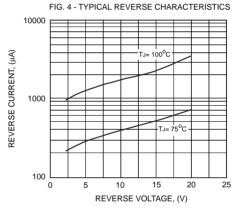
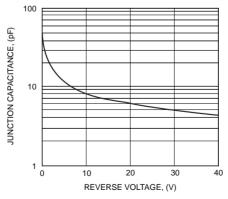


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS









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