## DC COMPONENTS CO., LTD.

## **RECTIFIER SPECIALISTS**

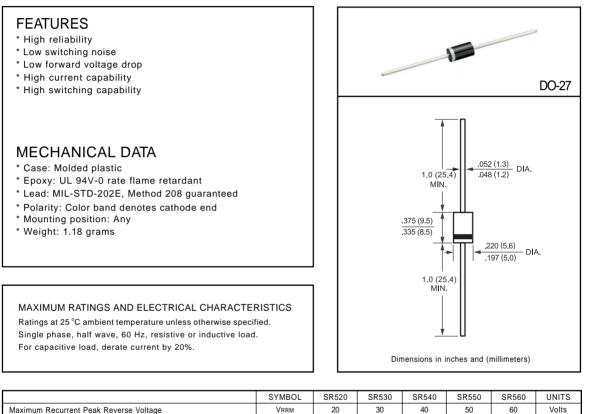
THRU SR560

SR520

## TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE - 20 to 60 Volts

CURRENT - 5.0 Amperes



		SYMBOL	SR520	SR530	SR540	SR550	SR560	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	20	30	40	50	60	Volts
Maximum RMS Voltage		Vrms	14	21	28	35	42	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current .375*(9.5mm) lead length		ю	5.0					Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	150					Amps
Maximum Instantaneous Forward Voltage at 5.0A DC		VF		.55 .70			Volts	
Maximum DC Reverse Current	@TA = 25°C	- IR	5.0				mAmps	
at Rated DC Blocking Voltage	@T <sub>A</sub> = 100°C	IK	50					
Typical Thermal Resistance (Note 1)		RθJA	18					°C/W
Typical Junction Capacitance (Note 2)		CJ	550		4	400		
Operating Temperature Range		TJ	-65 to + 150					° C
Storage Temperature Range		Tstg	-65 to + 150					°C

NOTES : 1. Thermal Resistance (Junction to Ambient): Vertical PC Board Mounting, 0.5\*(12.7mm) Lead Length.

<sup>2.</sup> Measured at 1 MHz and applied reverse voltage of 4.0 volts.

## RATING AND CHARACTERISTIC CURVES (SR520 THRU SR560)

