DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

SR520 THRU SR5200

DO-27

.052(1.3) DIA.

.220(5.6)

.197(5.0)

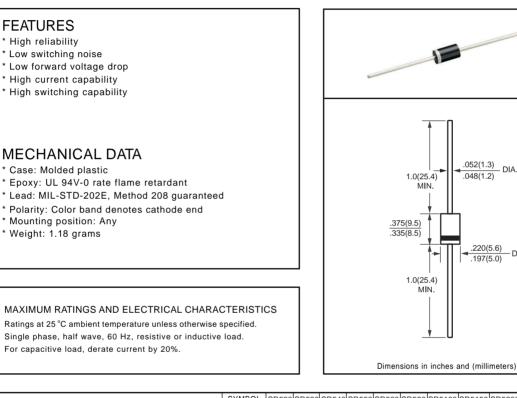
- DIA.

.048(1.2)

TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE - 20 to 200 Volts

CURRENT - 5.0 Amperes

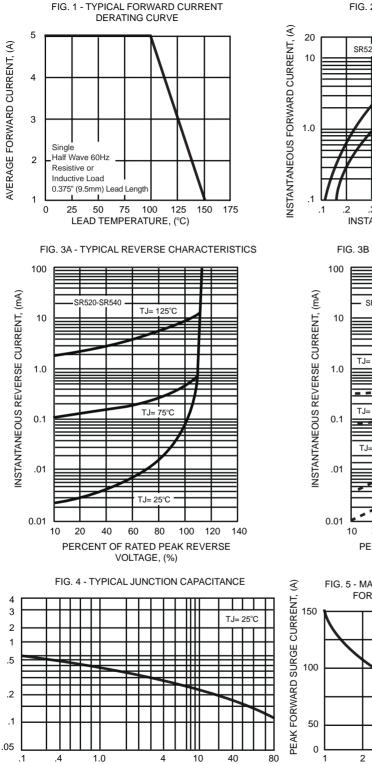


		SYMBOL	SR520	SR530	SR540	SR550	SR560	SR580	SR5100	SR5150	SR5200	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	20	30	40	50	60	80	100	150	200	Volts
Maximum RMS Voltage		Vrms	14	21	28	35	42	56	70	105	140	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	50	60	80	100	150	200	Volts
Maximum Average Forward 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	0.55		0.	70	0.85		0.95		Volts	
Maximum DC Reverse Current	@TA = 25°C	1-	2.0									mAmps
at Rated DC Blocking Voltage	@T _A = 100°C	lr	50									
Typical Thermal Resistance (Note 1)		R ₀ ja	18									°C/W
Typical Junction Capacitance (Note 2)		CJ		550 400						pF		
Operating Temperature Range		TJ	-55 to +150									٥C
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.

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

RATING AND CHARACTERISTIC CURVES (SR520 THRU SR5200)



REVERSE VOLTAGE, (V)

FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

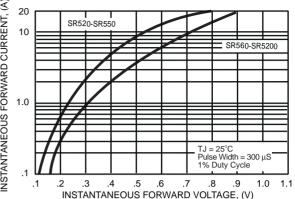


FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

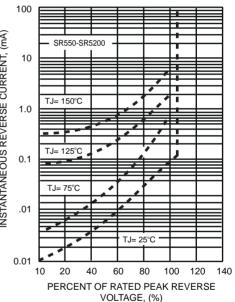
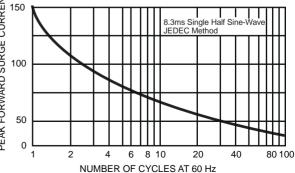


FIG. 5 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



JUNCTION CAPACITANCE, (nF)

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