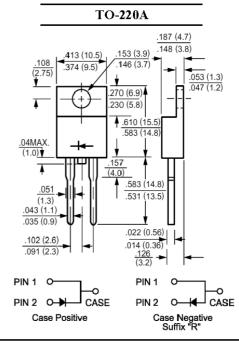
## SCHOTTKY BARRIER RECTIFIERS Reverse Voltage – 20 to 60 Volts Forward Current – 10 Amperes

## **Features**

- Plastic package has UL Flammability Classification 94V-0
- Metal of silicon rectifier, majority carrier conduction
- · Guard ring for transient protection



Dimensions in inches and (millimeters)

## inductive load. For capacitive load, derate by 20%

Parameter	Symbols	SR1020	SR1030	SR1040	SR1050	SR1060	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	20	30	40	50	60	V
Maximum RMS Voltage	V <sub>RMS</sub>	14	21	28	35	42	V
Maximum DC Blocking Voltage	$V_{DC}$	20	30	40	50	60	V
Maximum Average Forward Rectified Current	$I_{(AV)}$	10					Α
Peak Forward Surge Current 8.3mS Single half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	250					А
Maximum Forward Voltage at 10A DC and 25 °C	V <sub>F</sub>	0.55 0.7			V		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	I <sub>R</sub>	1 50					mA
Typical Junction Capacitance 1)	$C_{J}$	600		400		pF	
Typical Thermal Resistance 2)	$R_{ heta JC}$	2				°C/W	
Operating Temperature Range	T <sub>J</sub>	-:	55 to +12	5	-55 to	+150	°C
Storage Temperature Range	Ts	-55 to +150				°C	

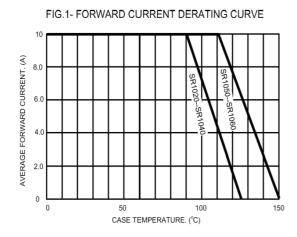
<sup>1)</sup> Measured at 1 MHz and applied reverse voltage of 4 VDC

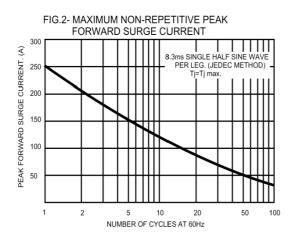
<sup>&</sup>lt;sup>2)</sup> Thermal resistance from Junction to case per leg

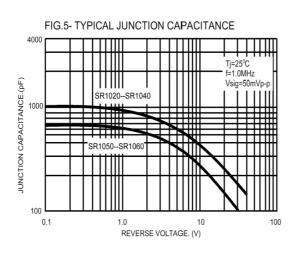


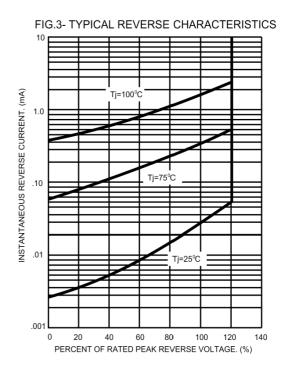
**CHANGZHOU GUANGDA ELECTRONIC CO. LTD** 

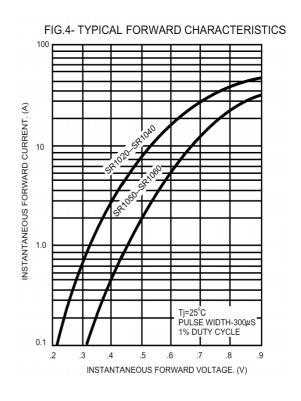
Dated: 12/06/2009













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Dated: 12/06/2009