

# **SRS1020** THRU **SRS1060**

10.0 AMPS. Schottky Barrier Rectifiers



Voltage Range 20 to 60 Volts Current 10.0 Amperes

D<sup>2</sup>PAK

### **Features**

- ♦ For surface mounted application
- Low forward voltage drop
- High current capability
- ♦ High reliability
- High surge current capability

#### **Mechanical Data**

- → Epoxy: UL 94V-O rate flame retardant
- Terminals: Leads solderable per MIL-STD-202, Method 208 guaranteed
- ♦ Polarity: As marked
- High temperature soldering guaranteed: 250°C/10 seconds at terminals
- ♦ Weight: 1.70grams

# 

Dimensions in inches and (millimeters)

# **Maximum Ratings and Electrical Characteristics**

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

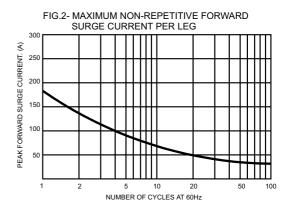
Type Number		SRS1030	SRS1040	SRS1050	SRS1060	Units
					01101000	Office
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	V
Maximum RMS Voltage	14	21	28	35	42	V
Maximum DC Blocking Voltage	20	30	40	50	60	V
Maximum Average Forward Rectified Current See Fig. 1	10.0					А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	175					Α
Maximum Instantaneous Forward Voltage @5.0A	0.550 0.700				V	
Maximum D.C. Reverse Current @ Tc=25°C	0.5					mA
at Rated DC Blocking Voltage @ Tc=100°C	50					mΑ
Typical Thermal Resistance (Note 1) ReJC	2.0					°C/W
Typical Junction Capacitance (Note 2)	400					pF
Operating Junction Temperature Range T <sub>J</sub>	-65 to +125 -65 to +150			+150	°C	
Storage Temperature Range Tstg	-65 to +150					°C

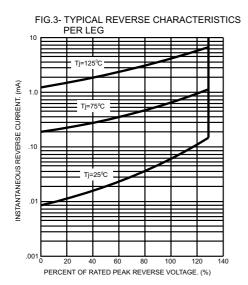
Notes: 1. Thermal Resistance from Junction to Case Per Leg

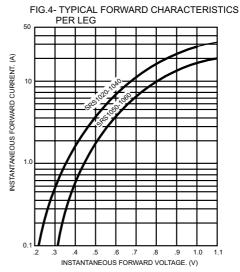
2. Measured at 1MHz and Applied Reverse Voltage of 4.0V D.C.

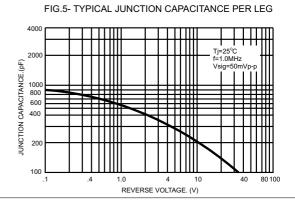


## RATINGS AND CHARACTERISTIC CURVES (SRS1020 THRU SRS1060)









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