SR220 THRU SR2100

2 A Schottky Barrier Rectifiers

Voltage Range 20 to 100 Volts
Current 2.0 Amperes

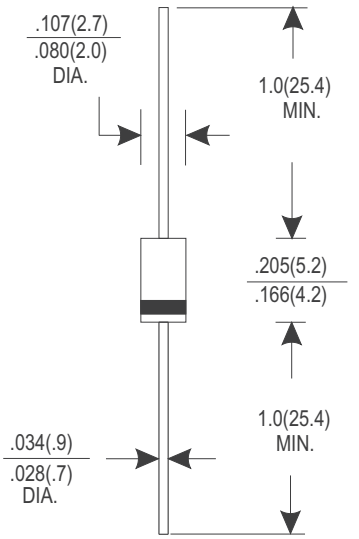
Features

* Low forward voltage drop
* High current capability
* High reliability
* High surge current capability
* Epitaxial construction

Mechanical Data

* Case: Molded plastic
* Epoxy: UL 94V-0 rate flame retardant
* Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed
* Polarity: Color band denotes cathode end
* Mounting position: Any
* Weight: 0.34 grams

DO-41



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	SR220	SR230	SR240	SR250	SR260	SR280	SR2100	Units
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	80	100	v
Maximum RMS Voltage	14	21	28	35	42	56	70	v
Maximum DC Blocking Voltage	20	30	40	50	60	80	100	v
Maximum Average Forward Rectified CurrentSee Fig. 1	2.0							A
Peak Forward Surge Current, 8.3 ms SingleHalf Sinewave -Superimposed on Rated Loadmethod (JEDEC)	5.0							A
Maximum Instantaneous Forward Voltage@ 2.0A	0.55			0.70		0.85		V
Maximum D.C. Reverse Current @ T_A=25°C	1							mA
At Rated DC Blocking Voltage @ T_A=100°C	20							mA
Typical Junction Capacitance (Note 1)	150							pF
Typical Thermal Resistance $R\theta JA$(Note 2)	35							°C/W
Operating Junction Temperature Range T_J	-50+125							°C
Storage Temperature Range T_{STG}	-65+150							°C

Notes:

1. Measured at 1MHz and applied reverse voltage of 4.0Volts D.C.
2. Thermal Resistance Junction to Ambient Vertical PC Board Mounting 0.5"(12.7mm) Lead Length.

Http://www.upm.com.tw | **E-mail:upm.tw@msa.hinet.net**

SR220 THRU SR2100

2 A Schottky Barrier Rectifiers

Voltage Range 20 to 100 Volts
Current 2.0 Amperes

RATING AND CHARACTERISTIC CURVES (SR220 THRU SR2100)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

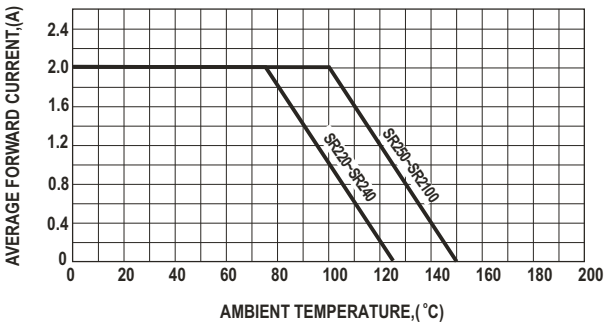


FIG.2-TYPICAL FORWARD CHARACTERISTICS

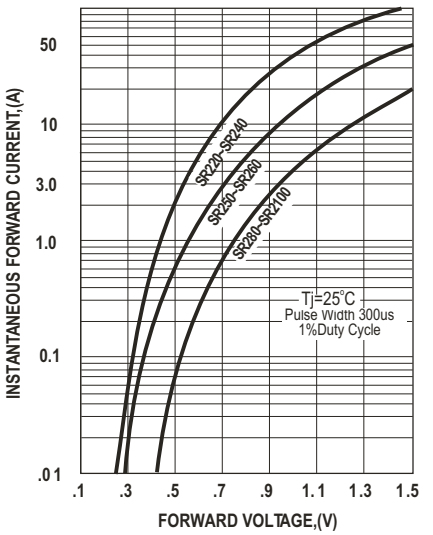


FIG.3-MAXIMUM NON-REPETITIVE FORWARDSURGE CURRENT

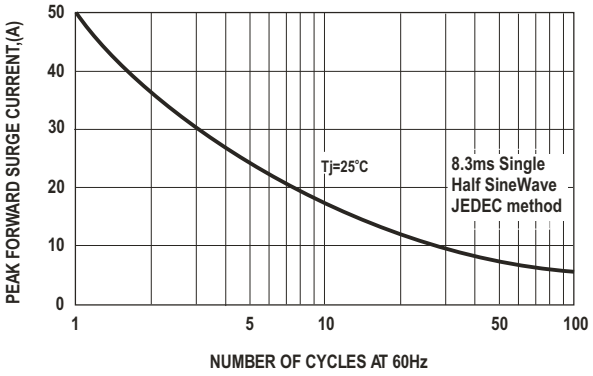


FIG.4-TYPICAL JUNCTION CAPACITANCE

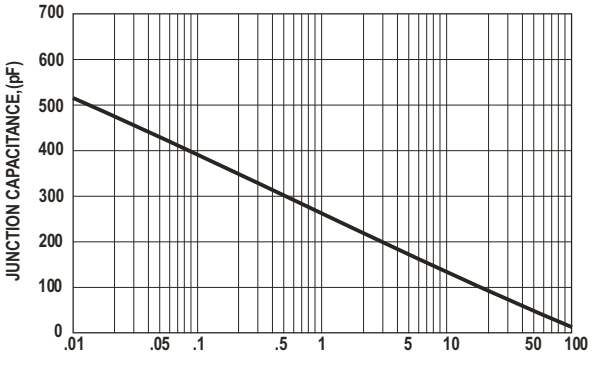
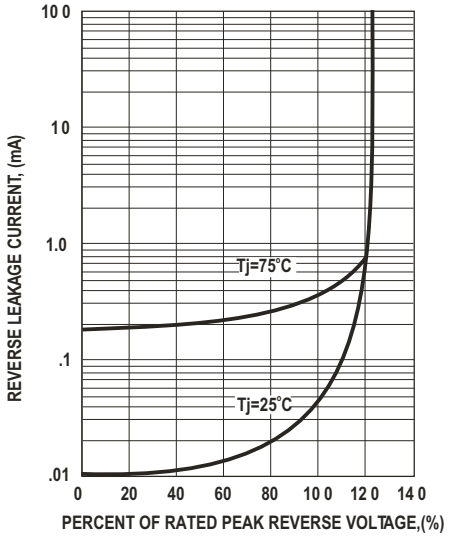


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



Http://www.upm.com.tw

E - mail:upm.tw@msa.hinet.net