SR220 - SR2100



2.0A SCHOTTKY BARRIER DIODE

Features

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- High Current Capability
- Low Power Loss, High Efficiency
- High Surge Current Capability
- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications

Mechanical Data

- Case: DO-15, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.40 grams (approx.)
- Mounting Position: Any
- Marking: Type Number
- Lead Free: For RoHS / Lead Free Version,
 Add "-LF" Suffix to Part Number, See Page 4

DO-15					
Dim	Min	Max			
A	25.4	_			
В	5.50	7.62			
С	0.71	0.864			
D	2.60	3.60			
All Dimensions in mm					

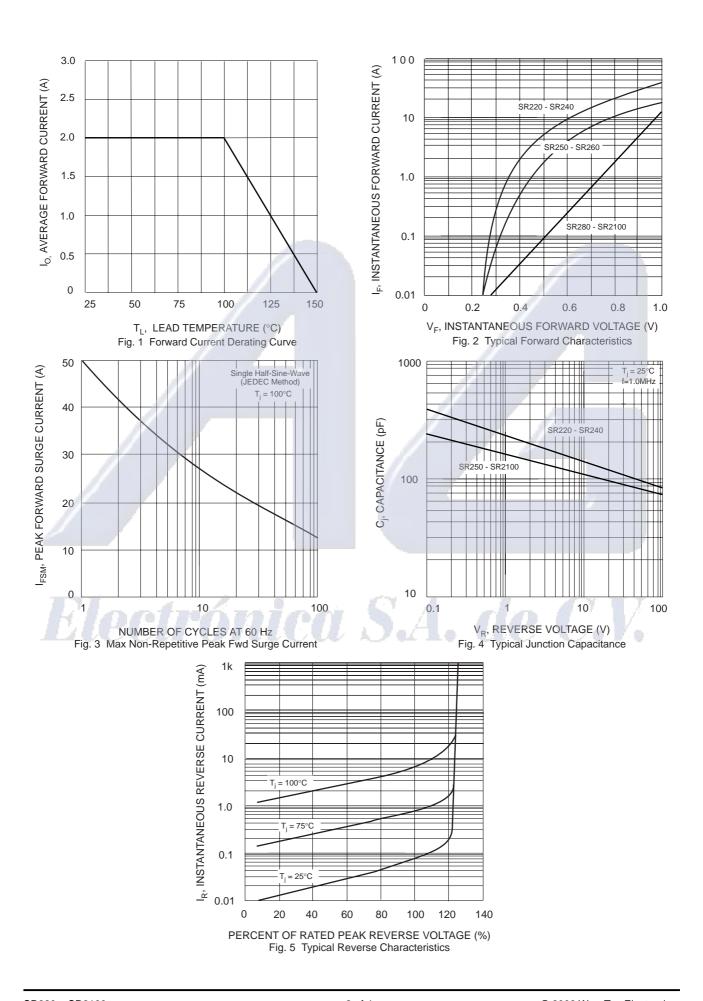
Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	SR220	SR230	SR240	SR250	SR260	SR280	SR2100	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	20	30	40	50	60	80	100	V
RMS Reverse Voltage	VR(RMS)	14	21	28	35	42	56	70	٧
Average Rectified Output Current @T _L = 100°C (Note 1)	lo				2.0				Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM				50				Α
Forward Voltage $@I_F = 2.0A$	VFM		0.50		0.	70	0.	85	٧
	lкм				0.5 10				mA
Typical Junction Capacitance (Note 2)	Cj		170			14	40		pF
Typical Thermal Resistance (Note 1)	$R_{ heta}$ JA	35				°C/W			
Operating and Storage Temperature Range	Тj, Tsтg	-65 to +150				°C			

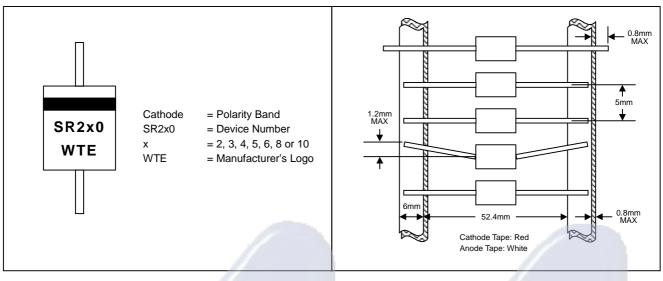
Note: 1. Valid provided that leads are kept at ambient temperature at a distance of 9.5mm from the case.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

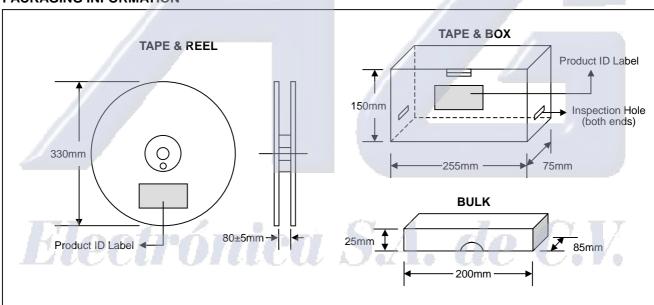


MARKING INFORMATION

TAPING SPECIFICATIONS



PACKAGING INFORMATION



Packaging	Reel Diameter / Box Size (mm)	Quantity (PCS)	Carton Size (mm)	Quantity (PCS)	Approx. Gross Weight (KG)
TAPE & REEL	330	4,000	370 x 370 x 420	20,000	12.0
TAPE & BOX	255 x 75 x 150	3,000	400 x 273 x 415	30,000	15.0
BULK	200 x 85 x 25	1,000	459 x 214 x 256	40,000	17.5

Note: 1. Paper reel, white or gray color. Core material: plastic or metal.

^{2.} Components are packed in accordance with $\dot{\text{EIA}}$ standard RS-296-E.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
SR220-T3	DO-15	4000/Tape & Reel
SR220-TB	DO-15	3000/Tape & Box
SR220	DO-15	1000 Units/Box
SR230-T3	DO-15	4000/Tape & Reel
SR230-TB	DO-15	3000/Tape & Box
SR230	DO-15	1000 Units/Box
SR240-T3	DO-15	4000/Tape & Reel
SR240-TB	DO-15	3000/Tape & Box
SR240	DO-15	1000 Units/Box
SR250-T3	DO-15	4000/Tape & Reel
SR250-TB	DO-15	3000/Tape & Box
SR250	DO-15	1000 Units/Box
SR260-T3	DO-15	4000/Tape & Reel
SR260-TB	DO-15	3000/Tape & Box
SR260	DO-15	1000 Units/Box
SR280-T3	DO-15	4000/Tape & Reel
SR280-TB	DO-15	3000/Tape & Box
SR280	DO-15	1000 Units/Box
SR2100-T3	DO-15	4000/Tape & Reel
SR2100-TB	DO-15	3000/Tape & Box
SR2100	DO-15	1000 Units/Box



Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, SR220-TB-LF.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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