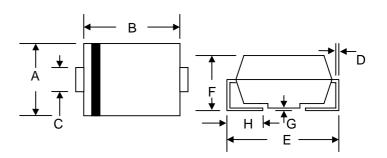


2.0A SURFACE MOUNT SCHOTTKY BARRIER DIODE

Features

- Schottky Barrier Chip
- Ideally Suited for Automatic Assembly
- Low Power Loss, High Efficiency
- Surge Overload Rating to 50A Peak
- For Use in Low Voltage Application
- Guard Ring Die Construction
- Plastic Case Material has UL Flammability Classification Rating 94V-O



Mechanical Data

- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.064 grams (approx.)
- Lead Free: For RoHS / Lead Free Version,
 Add "-LF" Suffix to Part Number, See Page 4

SMA/DO-214AC					
Dim	Min Max				
Α	2.50	2.90			
В	4.00 4.60				
С	1.20 1.60				
D	0.152	0.305			
E	4.80	5.28			
F	2.00	2.44			
G	0.051	0.203			
Н	0.76	1.52			
All Dimensions in mm					

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

Characteristic	Symbol	SR22	SR23	SR24	SR25	SR26	SR28	SR29	SR210	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	20	30	40	50	60	80	90	100	V
RMS Reverse Voltage	VR(RMS)	14	21	28	35	42	56	64	71	٧
Average Rectified Output Current @T _L = 105°C	lo	2.0					Α			
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50				А				
Forward Voltage @I _F = 2.0A	VFM	0.50 0.70 0.85					V			
	IRM	0.5 20					mA			
Typical Thermal Resistance (Note 1)	RθJL RθJA	20 75				°C/W				
Operating Temperature Range	Tj	-65 to +125					°C			
Storage Temperature Range	Тѕтс	-65 to +150				°C				

Note: 1. Mounted on P.C. Board with 8.0mm² copper pad area.

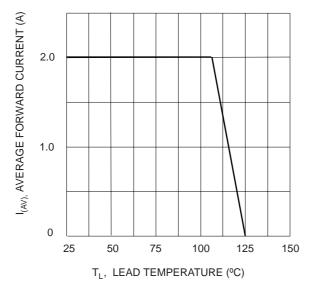


Fig. 1 Forward Current Derating Curve

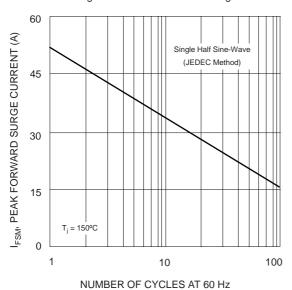
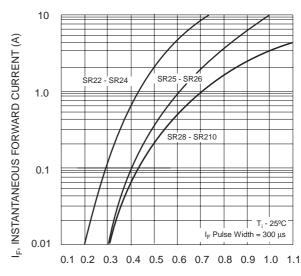


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current



 $\rm V_F$, INSTANTANEOUS FWD VOLTAGE (V) Fig. 2 Typ. Forward Characteristics

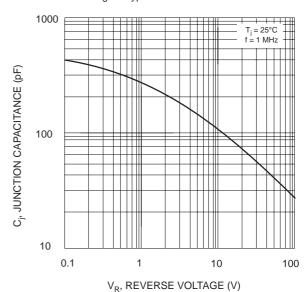
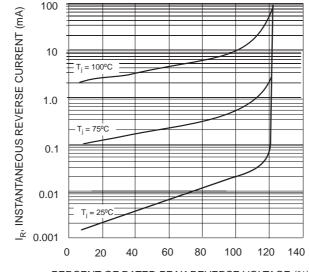


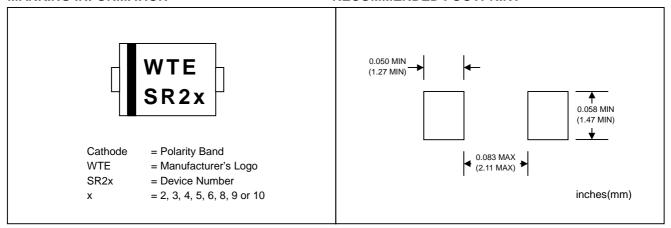
Fig. 4 Typical Junction Capacitance

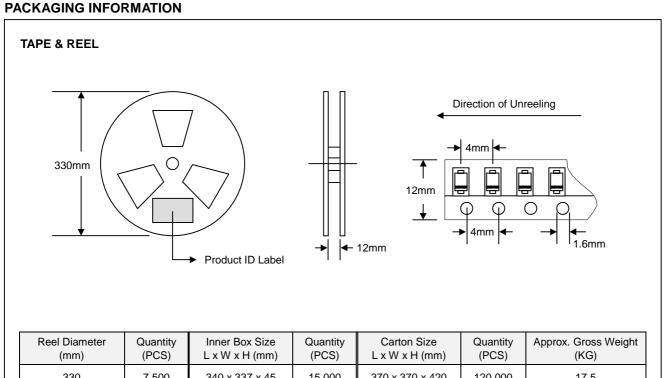


PERCENT OF RATED PEAK REVERSE VOLTAGE (%) Fig. 5 Typical Reverse Characteristics

MARKING INFORMATION

RECOMMENDED FOOTPRINT





330 340 x 337 x 45 370 x 370 x 420 17.5 7,500 15,000 120,000

Note: 1. Paper reel, white or gray color.

2. Components are packed in accordance with EIA standard 481-1 and 481-2.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
SR22-T3	SMA	7500/Tape & Reel
SR23-T3	SMA	7500/Tape & Reel
SR24-T3	SMA	7500/Tape & Reel
SR25-T3	SMA	7500/Tape & Reel
SR26-T3	SMA	7500/Tape & Reel
SR28-T3	SMA	7500/Tape & Reel
SR29-T3	SMA	7500/Tape & Reel
SR210-T3	SMA	7500/Tape & Reel

- 1. 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, SR22-T3-LF. 2.

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Won-Top Electronics Co., Ltd.

No. 44 Yu Kang North 3rd Road, Chine Chen Dist., Kaohsiung, Taiwan

Phone: 886-7-822-5408 or 886-7-822-5410

Fax: 886-7-822-5417 Email: sales@wontop.com Internet: http://www.wontop.com

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