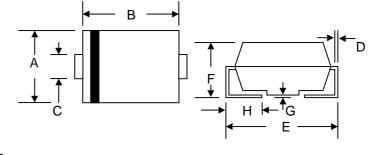




3.0A SURFACE MOUNT SCHOTTKY BARRIER DIODE

Features

- Schottky Barrier Chip
- Ideally Suited for Automatic Assembly
- Low Power Loss, High Efficiency
- Surge Overload Rating to 100A Peak
- For Use in Low Voltage Application
- Guard Ring Die Construction
- Plastic Case Material has UL Flammability Classification Rating 94V-O



Mechanical Data

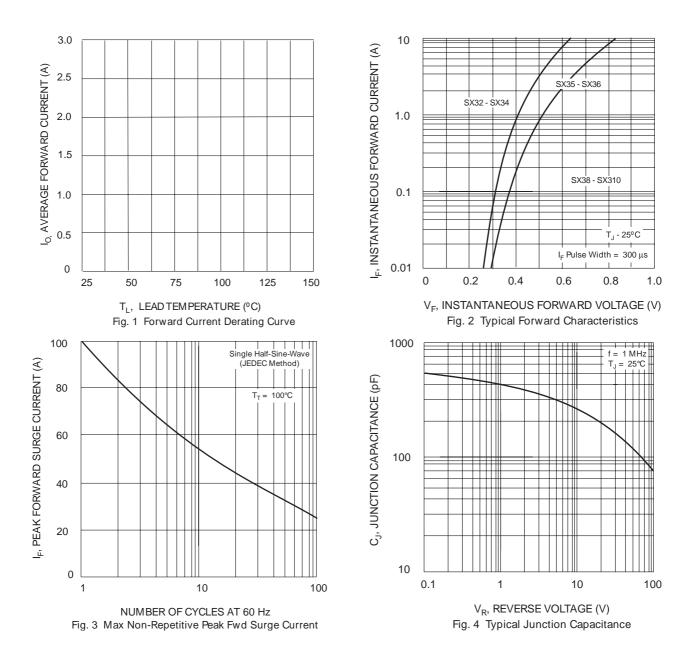
- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.064 grams (approx.)
- Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 4

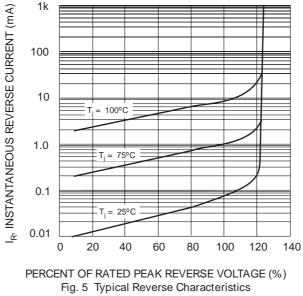
SMA/DO-214AC					
Dim	Min Max				
Α	2.50	2.90			
В	4.00 4.60				
С	1.20 1.60				
D	0.152	0.305			
E	4.80	5.28			
F	2.00 2.44				
G	0.051	0.203			
н	0.76	1.52			
All Dimensions in mm					

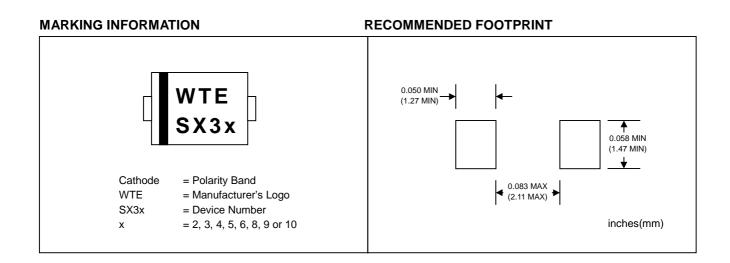
Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Characteristic	Symbol	SX32	SX33	SX34	SX35	SX36	SX38	SX39	SX310	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	V
Average Rectified Output Current $@T_L = 75^{\circ}C$	ю	3.0					А			
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	100					А			
Forward Voltage $@I_F = 3.0A$	Vfm	0.50 0.70 0.85					V			
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	IRM	0.5 20					mA			
Typical Thermal Resistance (Note 1)	R∂JL R∂JA	20 75					°C/W			
Operating Temperature Range	Tj	-65 to +125					°C			
Storage Temperature Range	Тѕтс	-65 to +150					°C			

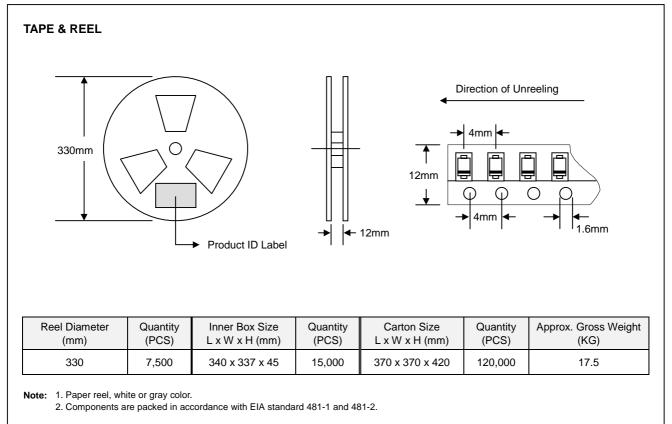
Note: 1. Mounted on P.C. Board with 14mm² copper pad area.







PACKAGING INFORMATION



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
SX32-T3	SMA	7500/Tape & Reel
SX33-T3	SMA	7500/Tape & Reel
SX34-T3	SMA	7500/Tape & Reel
SX35-T3	SMA	7500/Tape & Reel
SX36-T3	SMA	7500/Tape & Reel
SX38-T3	SMA	7500/Tape & Reel
SX39-T3	SMA	7500/Tape & Reel
SX310-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, SX32-T3-LF. 2.

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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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