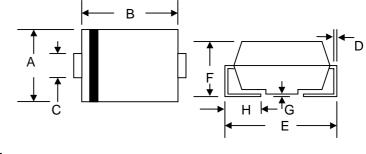




2.0A SURFACE MOUNT GLASS PASSIVATED STANDARD DIODE

Features

- Glass Passivated Die Construction
- Ideally Suited for Automatic Assembly
- Low Forward Voltage Drop
- Surge Overload Rating to 60A Peak
- Low Power Loss
- Built-in Strain Relief
- 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			
ш	4.80	5.28			
F	2.00	2.44			
G	0.051	0.203			
Н	0.76	1.52			
All Dimensions in mm					

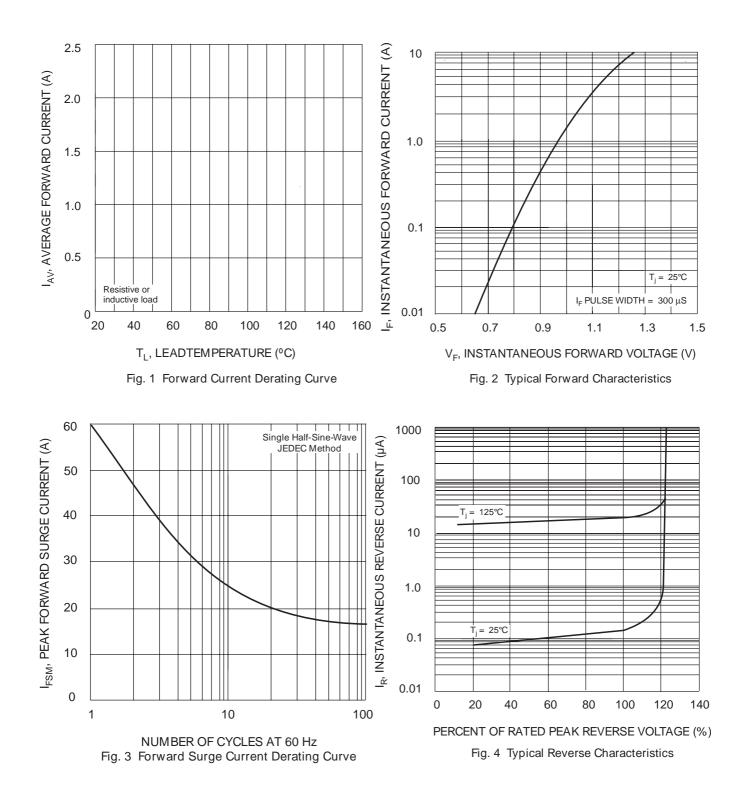
Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

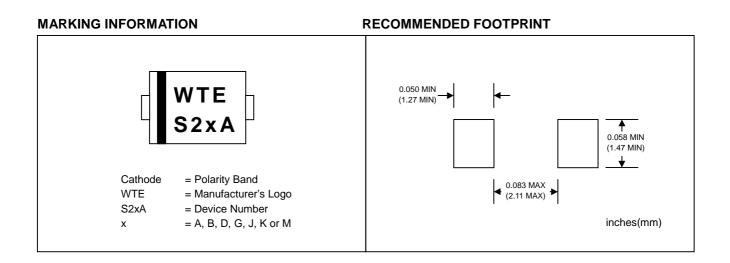
Characteristic	Symbol	S2AA	S2BA	S2DA	S2GA	S2JA	S2KA	S2MA	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current @T _L = 110°C	ю	2.0					А		
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	60				A			
Forward Voltage $@I_F = 2.0A$	Vfm	1.10				V			
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 125^{\circ}C$	Iгм	5.0 200					μA		
Reverse Recovery Time (Note 1)	trr				2.5				μS
Typical Junction Capacitance (Note 2)	Cj				30				pF
Typical Thermal Resistance (Note 3)	R∂JL				16				°C/W
Operating and Storage Temperature Range	Тј, Тѕтс			-	55 to +15	0			°C

Note: 1. Measured with I_{F} = 0.5A, I_{R} = 1.0A, I_{rr} = 0.25A,

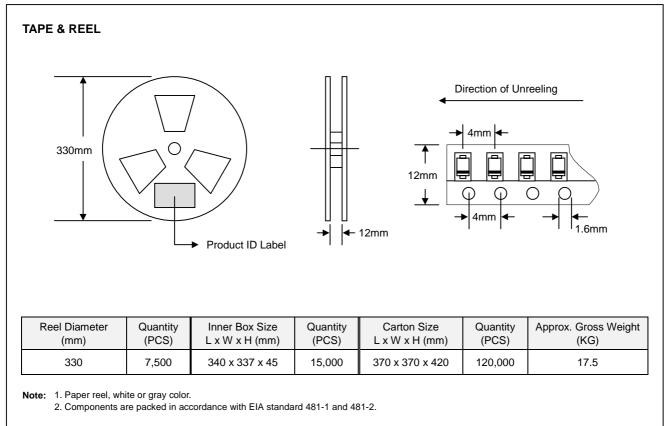
2. Measured at 1.0 MHz and applied reverse voltage of 4.0 V DC.

3. Mounted on P.C. Board with 8.0mm² land area.





PACKAGING INFORMATION



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity				
S2AA-T3	SMA	7500/Tape & Reel				
S2BA-T3	SMA	7500/Tape & Reel				
S2DA-T3	SMA	7500/Tape & Reel				
S2GA-T3	SMA	7500/Tape & Reel				
S2JA-T3	SMA	7500/Tape & Reel				
S2KA-T3	SMA	7500/Tape & Reel				
S2MA-T3	SMA	7500/Tape & Reel				

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"

To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, S2AA-T3-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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