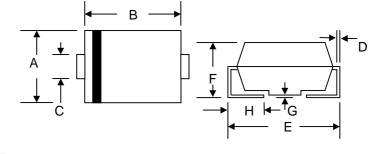




5.0A SURFACE MOUNT GLASS PASSIVATED STANDARD DIODE

Features

- Glass Passivated Die Construction
- Ideally Suited for Automatic Assembly
- Low Forward Voltage Drop
- Surge Overload Rating to 100A Peak
- Low Power Loss
- Built-in Strain Relief
- Plastic Case Material has UL Flammability Classification Rating 94V-O



Mechanical Data

- Case: SMC/DO-214AB, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.21 grams (approx.)
- Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 4

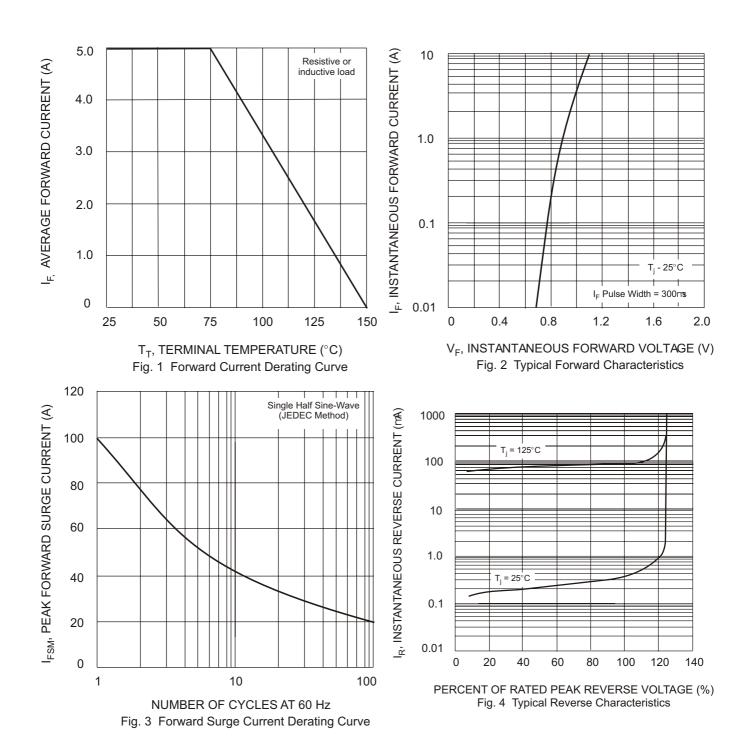
SMC/DO-214AB					
Dim	Min	Max			
Α	5.59	6.22			
в	6.60 7.11				
С	2.75 3.25				
D	0.152	0.305			
Е	7.75	8.13			
F	2.00	2.62			
G	0.051	0.203			
Н	0.76	1.27			
All Dimensions in mm					

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

Characteristic		Symbol	S5A	S5B	S5D	S5G	S5J	S5K	S5M	Unit
Characteristic		Cymbol	007	000	000	000	000	0011	0011	onne
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 = 75°C	lo	5.0					А		
Non-Repetitive Peak Forward Sur 8.3ms Single half sine-wave supe rated load (JEDEC Method)	•	 FSM				100				A
Forward Voltage	@I _F = 5.0A	Vfm	1.15					V		
Peak Reverse Current At Rated DC Blocking Voltage	@T _A = 25°C @T _A = 125°C	Irm	10 250				μA			
Typical Junction Capacitance (No	te 1)	Cj				40				pF
Typical Thermal Resistance (Note	: 2)	R∂JL				10				°C/W
Operating and Storage Temperatu	ire Range	Tj, TSTG			-1	65 to +15	0			°C

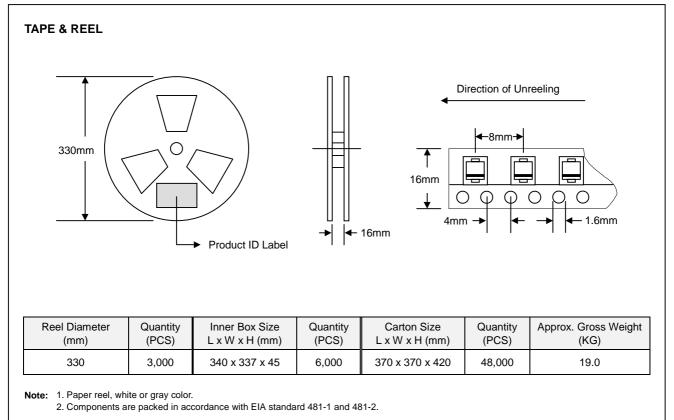
Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 V DC.

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



MARKING INFORMATION **RECOMMENDED FOOTPRINT** 0.060 MIN ΝΤΕ (1.52 MIN) 55 x 0.121 MIN (3.07 MIN) ¥ Cathode = Polarity Band ● 0.185 MAX (4.69 MAX) ► WTE = Manufacturer's Logo S5x = Device Number inches(mm) = A, B, D, G, J, K or M х

PACKAGING INFORMATION



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity				
S5A-T3	SMC	3000/Tape & Reel				
S5B-T3	SMC	3000/Tape & Reel				
S5D-T3	SMC	3000/Tape & Reel				
S5G-T3	SMC	3000/Tape & Reel				
S5J-T3	SMC	3000/Tape & Reel				
S5K-T3	SMC	3000/Tape & Reel				
S5M-T3	SMC	3000/Tape & Reel				

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

2. To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, S5A-T3-LF.

Won-Top Electronics Co., Ltd (WTE) has checked all information carefully and believes it to be correct and accurate. However, WTE cannot assume any responsibility for inaccuracies. Furthermore, this information does not give the purchaser of semiconductor devices any license under patent rights to manufacturer. WTE reserves the right to change any or all information herein without further notice.

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.

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

We power your everyday.