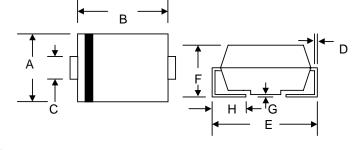


2.0A SURFACE MOUNT GLASS PASSIVATED RECTIFIER

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: Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.093 grams (approx.)

SMB/DO-214AA						
Dim	Min	Max				
Α	3.30	3.94				
В	4.06	4.70				
С	1.91	2.11				
D	0.152	0.305				
E	5.08	5.59				
F	2.13	2.44				
G	0.051	0.203				
н	0.76	1.27				
All Dimensions in mm						

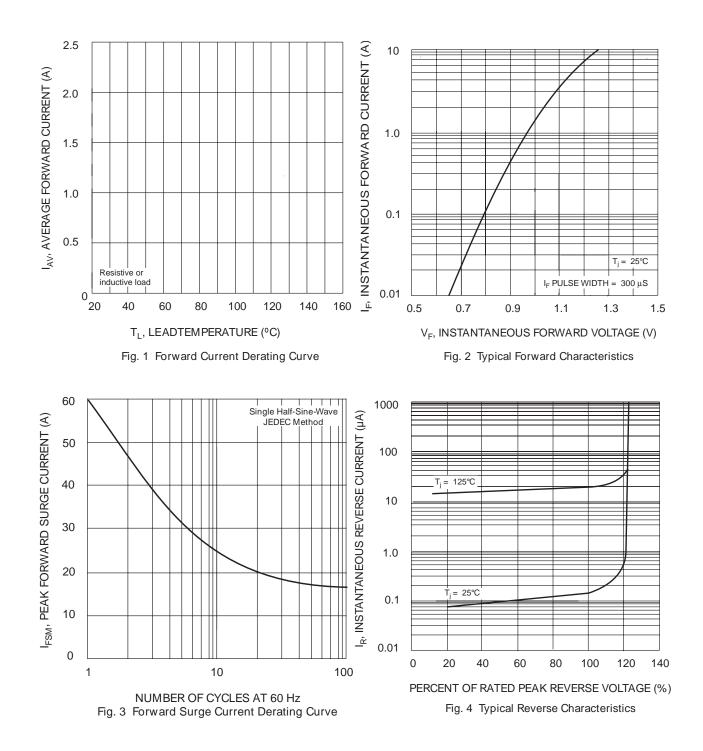
Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Characteristic	Symbol	S2A	S2B	S2D	S2G	S2J	S2K	S2M	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 $@T_L = 110^{\circ}C$	lo	lo 2.0						А	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	IFSM 60				А			
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)	RθJL	16					K/W		
Operating and Storage Temperature Range	Tj, TSTG	-55 to +150					°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.

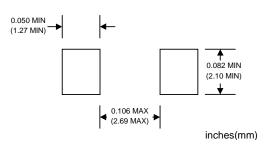


Product No.*	Package Type	Shipping Quantity			
S2A-T1	SMB	500/Tape & Reel			
S2A-T3	SMB	3000/Tape & Reel			
S2B-T1	SMB	500/Tape & Reel			
S2B-T3	SMB	3000/Tape & Reel			
S2D-T1	SMB	500/Tape & Reel			
S2D-T3	SMB	3000/Tape & Reel			
S2G-T1	SMB	500/Tape & Reel			
S2G-T3	SMB	3000/Tape & Reel			
S2J-T1	SMB	500/Tape & Reel			
S2J-T3	SMB	3000/Tape & Reel			
S2K-T1	SMB	500/Tape & Reel			
S2K-T3	SMB	3000/Tape & Reel			
S2M-T1	SMB	500/Tape & Reel			
S2M-T3	SMB	3000/Tape & Reel			

ORDERING INFORMATION

Products listed in **bold** are WTE **Preferred** devices. *T1 suffix refers to a 7" reel. T3 suffix refers to a 13" reel. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

RECOMMENDED FOOTPRINT



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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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