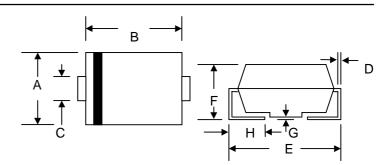


2.0A LOW VF SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

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

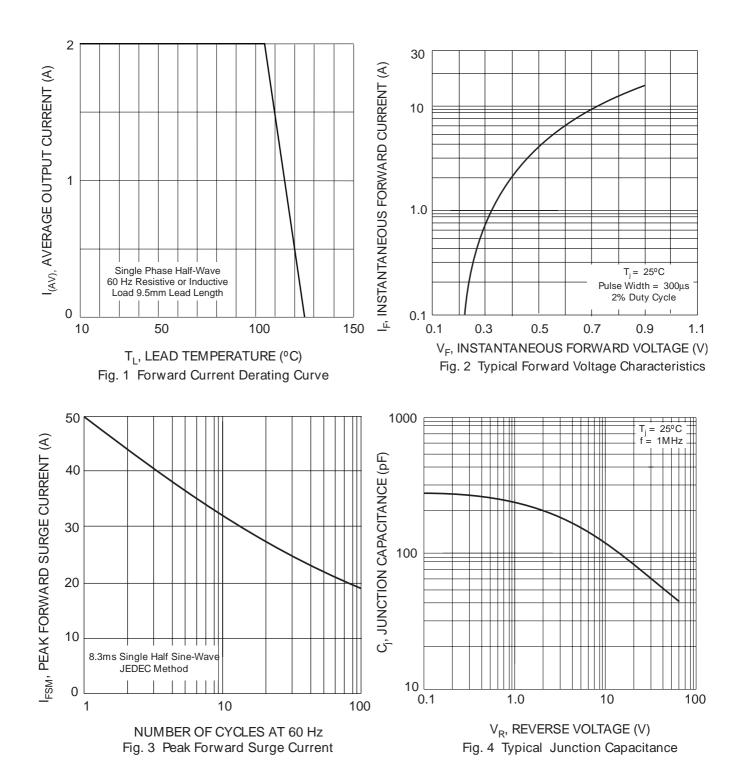
- Case: Low Profile Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.093 grams (approx.)

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	SL22	SL23	SL24	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	20	30	40	V
RMS Reverse Voltage	VR(RMS)	14	21	28	V
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	0.38	0.38	0.40	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 Junction to Ambient (Note 1)	R ∂ JA		75		K/W
Operating Temperature Range	Tj		-65 to +125		°C
Storage Temperature Range	Тѕтс		-65 to +150		°C

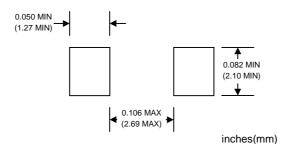
Note: 1. Mounted on P.C. Board with 8.0mm² (0.13mm thick) copper pad areas



ORDERING INFORMATION

Product No.◆	Package Type	Shipping Quantity
SL22-T1	SMB	500/Tape & Reel
SL22-T3	SMB	3000/Tape & Reel
SL23-T1	SMB	500/Tape & Reel
SL23-T3	SMB	3000/Tape & Reel
SL24-T1	SMB	500/Tape & Reel
SL24-T3	SMB	3000/Tape & Reel

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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We power your everyday.

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.