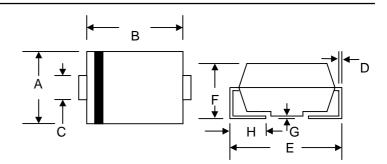


3.0A LOW VF SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

Features

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



Mechanical Data

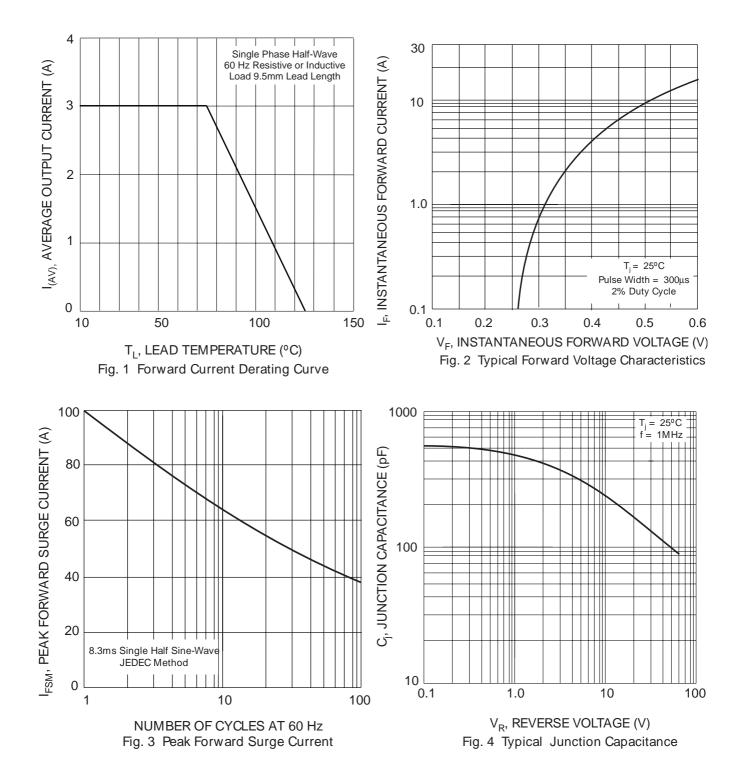
- Case: Low Profile Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.21 grams (approx.)

SMC/DO-214AB					
Dim	Min	Max			
Α	5.59	6.22			
В	6.60	7.11			
C	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 @TA=25°C unless otherwise specified

Characteristic	Symbol	SL32	SL33	SL34	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 = 75°C	lo		3.0		Α
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	0.38	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		55		K/W
Operating Temperature Range	Tj		-65 to +125		°C
Storage Temperature Range	Тѕтс		-65 to +150		°C

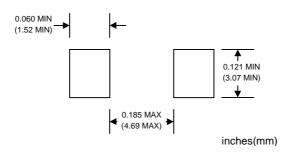
Note: 1. Mounted on P.C. Board with 14mm² (0.13mm thick) copper pad areas



ORDERING INFORMATION

Product No.◆	Package Type	Shipping Quantity
SL32-T1	SMC	500/Tape & Reel
SL32-T3	SMC	3000/Tape & Reel
SL33-T1	SMC	500/Tape & Reel
SL33-T3	SMC	3000/Tape & Reel
SL34-T1	SMC	500/Tape & Reel
SL34-T3	SMC	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.