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SB20200 SCHOTTKY RECTIFIER

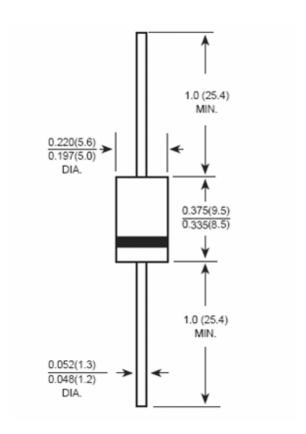
Applications:

- Disk Drives
- Switching power supply
- Converters
- Free-Wheeling diodes
- Reverse battery protection
- Battery Charging

Features:

- Small foot print, surface moutable
- Low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term reliability
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Mechanical Dimensions: In Inches / mm



DO-201AD



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Marking Diagram:



Where XXXXX is YYWWL

 SB
 = Device Type

 20
 = Forward Current (20A)

 200
 = Reverse Voltage (200V)

 SSG
 = SSG

 YY
 = Year

 WW
 = Week

 L
 = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Ordering Information:

Device	Package	Shipping
SB20200	DO-201AD (Pb-Free)	1250pcs / tape

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.



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

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	SB20200	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$egin{array}{c} V_{RRM} \ V_{RWM} \ V_{R} \end{array}$	200	V
Maximum RMS Voltage	V_{RMS}	140	V
Average Rectified Output Current (Note 1) @T _C = 135°C	I _{F(AV)}	20	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	300	А
Forward Voltage	V_{FM}	1.10 1.00	V
Peak Reverse Current $\textcircled{Q}T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $\textcircled{Q}T_A = 125^{\circ}C$	I _{RM}	1 8	mA
Typical Thermal Resistance Junction to Case	R _{eJC}	2	°C /W
Storage Temperature Range	$T_{J,}T_{STG}$	-50 to +150	°C
Approximate Weight	wt	1.02	g
Case Style	DO-201AD		

Note:1. Mount on Cu-Pad Size 5mm×5mm on P.C.B.

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