Green Products

20SQ200 SCHOTTKY BARRIER RECTIFIER

Applications:

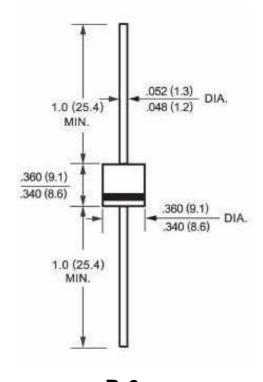
- DC-DC converters
- AC adapter
- High frequency rectification circuit
- Bypass diodes
- Photovoltaic Solar cell Protection Schottky Rectifier

Features:

- Super-high speed & low noise switching
- Low voltage drop
- 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

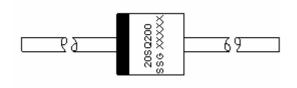


R-6



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Marking Diagram:



Where XXXXX is YYWWL

Cautions: Molding resin

Epoxy resin UL:94V-0

Ordering Information:

Device	Package	Shipping
20SQ200	R-6 (Pb-Free)	500pcs / reel

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℃ unless otherwise specified

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

Characteristic	Symbol	20SQ200	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	200	V
Maximum RMS Voltage	V_{RMS}	140	V
Average Rectified Output Current (Note 1) @T _C = 135℃	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 $@I_F = 20A, T_A = 25\%$ $@I_F = 20A, T_A = 125\%$	V_{FM}	1.10 1.00	V
Peak Reverse Current $@T_A = 25$ °CAt Rated DC Blocking Voltage $@T_A = 125$ °C	I _{RM}	1 8	mA
Junction Capacitance (Note 2)	Ст	400	pF
Maximum Thermal Resistance, Junction to lead	$R_{ heta JL}$	8	€ W
Storage Temperature Range	$T_{J,T_{STG}}$	-50 to +150	C
Case Style		R-6	

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

2. $V_R = 5V$, $f_{SIG} = 1MHz$

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