Green Products

SHV30300G PLASTIC HIGH-VOLTAGE RECTIFIER

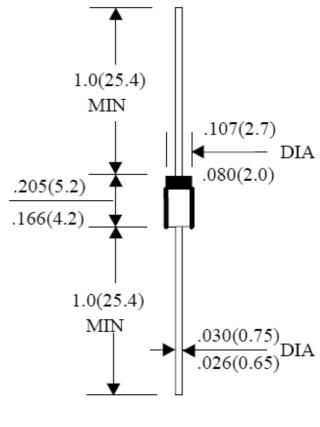
Features:

- Low Reverse Leakage
- High Forward Surge Capability
- High Temperature Soldering Guaranteed: 250℃/10 sec onds, 0.375" (9.5mm) Lead Length
- 5 lbs. (2.3kg) Tension
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Mechanical Data:

- Terminals: Plated Axial Leads
- Polarity: Color Band Denotes Cathode end
- Mounting Position: Any

Mechanical Dimensions: In Inches/ mm



DO-41

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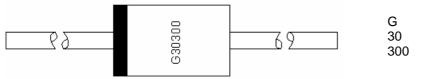
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Marking Diagram:



= Package type

= Forward Current (30mA) = Reverse Voltage (3000V)

Cautions: Molding resin

Epoxy resin UL: 94V-0

Ordering Information:

Device	Package	Shipping
SHV30300G	DO-41 (Pb-Free)	5000 pcs / 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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$\textbf{Maximum Ratings and Electrical Characteristics} \ @T_A = 25 \ C \ \text{ambient temperature unless}$

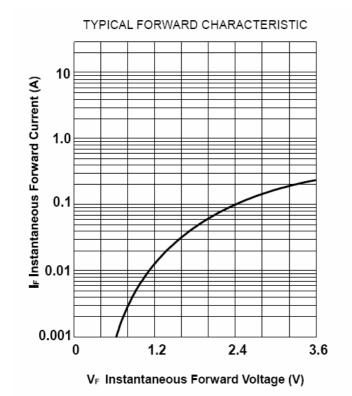
otherwise specified.

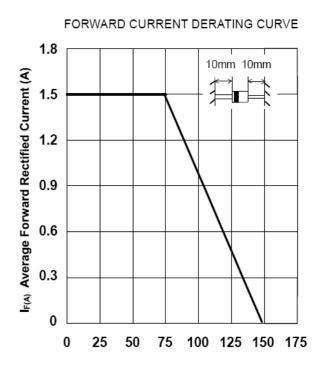
Characteristic		Symbol	SHV30300G	Unit
Maximum Repetitive Peak Reverse Voltage Maximum DC Blocking Voltage		$V_{RRM} \ V_{DC}$	3000	V
Maximum RMS Voltage		V_{RMS}	2100	V
Maximum Average Forward Rectified Current		I _{F(AV)}	0.03	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)		I _{FSM}	3	А
Maximum Peak Reverse Current Full Cycle @T _A = 75℃		I _{R(AV)}	100	uA
Maximum Forward Voltage	@I _F =0.03A	V _{FM}	1.8	V
Maximum Reverse Current	@T _A = 25℃ @T _A = 100℃	I _{RM}	5 200	uA
Reverse Breakdown Voltage	I _{RM} =100uA	Vz	3200-6000	V
Junction Temperature		T _J	-40 to +150	C
Operating Junction and Storage Temperature Range		T_J, T_{STG}	-40 to +150	C
Case Style		DO-41		

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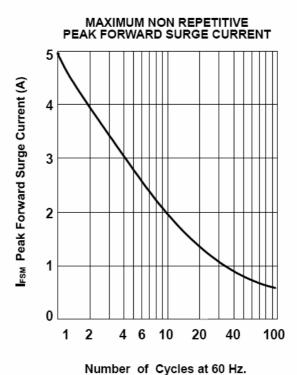
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Tamb, ambient temperature (℃)



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Technical Data
Data Sheet N1310, Rev. B

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