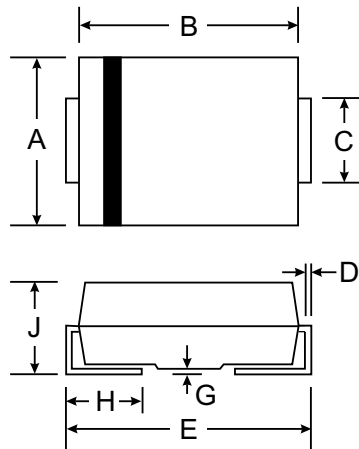


Features

- For Surface Mounted Applications
- High Temperature Metallurgically Bonded Contacts
- Capable of Meeting Environmental Standards of MIL-STD-19500
- Plastic Material - UL Flammability Classification 94V-0
- High Reliability
- High Current Capability and Low VF
- Submersible Temperature of 265°C for 10 Seconds in Solder Bath

Mechanical Data

- Case: SMC, Molded Plastic
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Approx. Weight: 0.21 grams
- Mounting Position: Any



SMC		
Dim	Min	Max
A	5.40	6.22
B	6.10	7.11
C	2.92	3.18
D	0.15	0.40
E	7.55	8.13
G	0.10	0.21
H	0.76	1.52
J	2.00	2.62
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz resistive or inductive load.

Characteristic	Symbol	SK32	SK33	SK34	SK35	SK36	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	V
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	V
Maximum DC Blocking Voltage	V_{DC}	20	30	40	50	60	V
Maximum Average Forward Rectified Current (See Fig. 1)	$I_{(AV)}$	3.0					A
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	100					A
Maximum Instantaneous Forward Voltage at 3.0A (See Note 1)	V_F	0.50			0.75		V
Maximum DC Reverse Current at Rated DC Blocking Voltage (See Note 1)	I_R				0.5 20		mA
Maximum Thermal Resistance (See Note 2)	$R_{\theta JL}$ $R_{\theta JA}$				10 60		°C/W
Typical Junction Capacitance (See Note 3)	C_J	300					pF
Operating and Storage Temperature Range	T_J, T_{STG}	-65 to +150					°C

- Notes:
1. Pulse Test Pulse Width 300 μ S, Duty Cycle 2%
 2. 8.0mm² (0.13mm thick) land pads
 3. Measured at 1.0MHz and applied reverse voltage of 4.0V.

