



Micro Commercial Components



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SK3200B-L

Features

- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- For Surface Mount Applications
- Easy Pick And Place
- High Temp Soldering: 260°C for 10 Seconds At Terminals

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 11°C/W Junction To Lead

| MCC Catalog Number | Device Marking | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------|----------------|--|---------------------|-----------------------------|
| SK3200B-L | SK3200 | 200V | 140V | 200V |

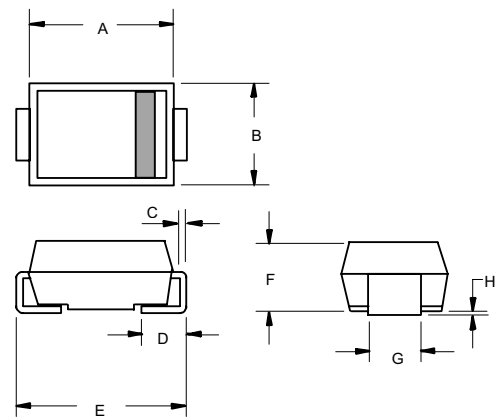
Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---|-------------|--------------------|--|
| Average Forward Current | $I_{F(AV)}$ | 3.0A | $T_L = 70^\circ\text{C}$ |
| Peak Forward Surge Current | I_{FSM} | 100A | 8.3ms, half sine |
| Maximum Instantaneous Forward Voltage | V_F | .86V .63V(Typ.) | $I_{FM} = 3.0\text{A};$ $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 0.5mA 2mA | $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$ |

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

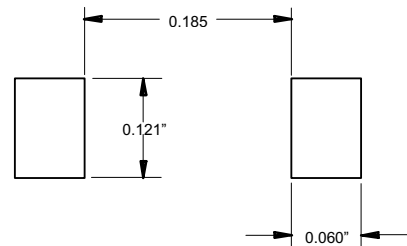
3 Amp Schottky Rectifier 200 Volts

DO-214AA (SMB) (LEAD FRAME)



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|------|------|-------|------|
| | INCHES | | MM | | |
| A | .160 | .185 | 4.06 | 4.70 | |
| B | .130 | .155 | 3.30 | 3.94 | |
| C | .006 | .012 | 0.15 | 0.31 | |
| D | .030 | .060 | 0.76 | 1.52 | |
| E | .200 | .220 | 5.08 | 5.59 | |
| F | .079 | .096 | 2.00 | 2.44 | |
| G | .075 | .087 | 1.91 | 2.21 | |
| H | .002 | .008 | 0.05 | 0.203 | |

SUGGESTED SOLDER PAD LAYOUT



SK3200B-L

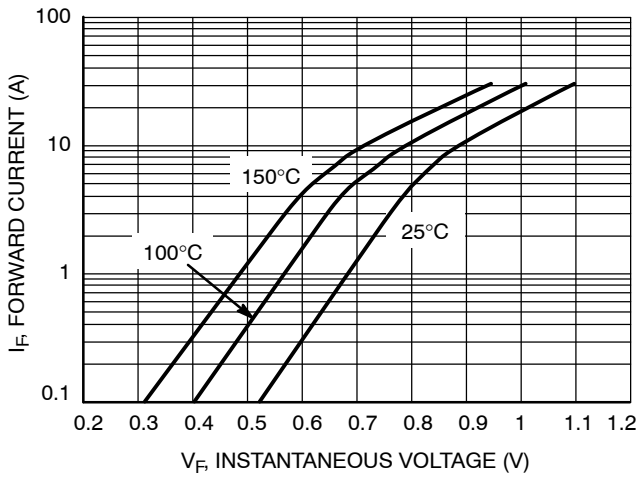


Figure 1. Typical Forward Voltage

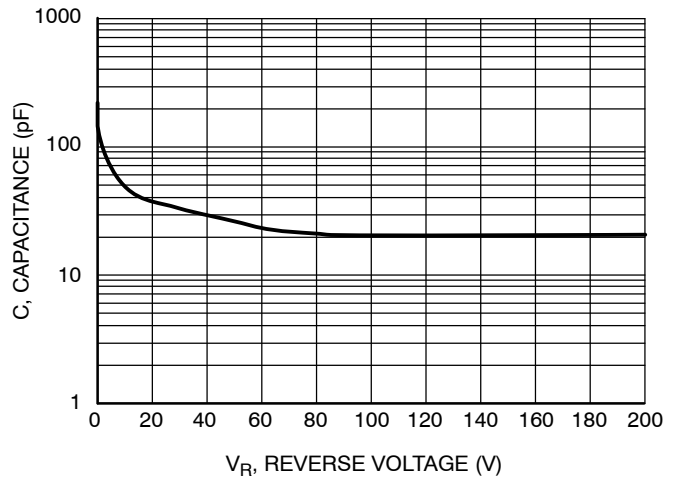


Figure 2. Typical Capacitance

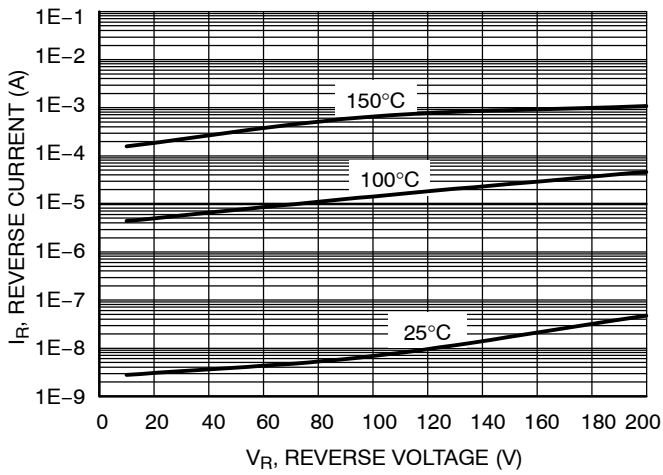


Figure 3. Typical Reverse Current

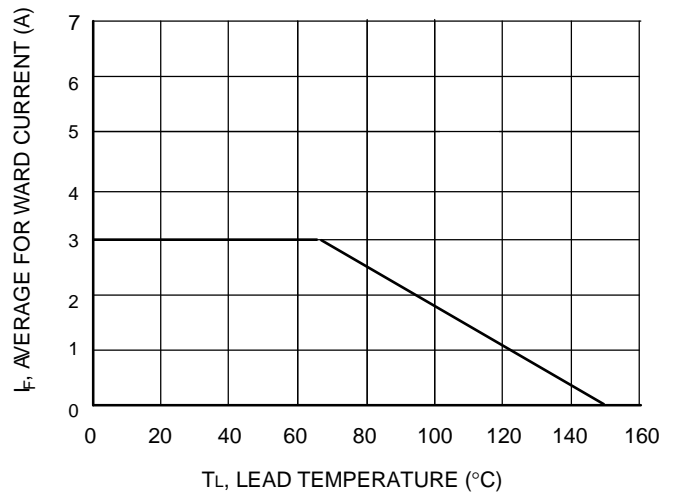


Figure 4. Derating Curve



TM

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Ordering Information :

| Device | Packing |
|-------------|-----------------------|
| SK3200B-LTP | Tape&Reel: 3Kpcs/Reel |

Note : Adding "-HF" suffix for halogen free, eg. SK3200B-LTP-HF

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