

SL22PL

2 Amp Low VF Schottky Rectifiers 20 Volts

Features

- Halogen free available upon request by adding suffix "-HF"
- High current capability.
- Lead Free Finish/RoHS Compliant (Note 1) ("P" Suffix designates Compliant. See ordering information)
- Guardring for overvoltage protection.
- Silicon epitaxial planar chip, metal silicon junction.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

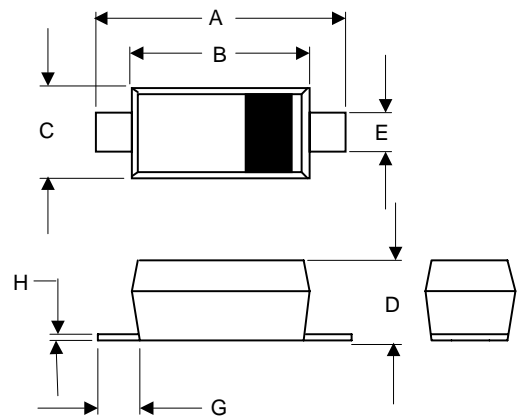
| MCC Catalog Number | Device Marking | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------|----------------|--|---------------------|-----------------------------|
| SL22PL | SL22 | 20V | 14V | 20V |

Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---|-------------|----------------------|---|
| Average Forward Current | $I_{F(AV)}$ | 2.0A | See Fig.1 |
| Peak Forward Surge Current | I_{FSM} | 40A | 8.3ms, half sine |
| Maximum Instantaneous Forward Voltage | V_F | 0.42V | $I_{FM} = 2.0A;$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 0.26mA(Typ) 1.0mA | $V_R=5V, T_A = 25^\circ C$ $V_R=20V, T_A = 25^\circ C$ |
| Power Dissipation | P_D | 1W | $T_A = 25^\circ C$ Recommended pad,FR4 |

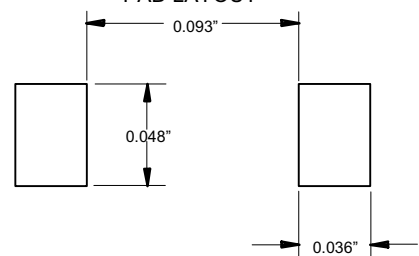
Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

SOD-123FL



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|-------|------|-------|------|
| | INCHES | | MM | | |
| | MIN | MAX | MIN | MAX | |
| A | .140 | .152 | 3.55 | 3.85 | |
| B | .100 | .122 | 2.55 | 3.10 | |
| C | .055 | .075 | 1.40 | 1.90 | |
| D | .035 | .053 | 0.90 | 1.35 | |
| E | .020 | .041 | 0.50 | 1.05 | |
| G | .010 | ----- | 0.25 | ----- | |
| H | ----- | .010 | ---- | .25 | |

SUGGESTED SOLDER PAD LAYOUT





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Ordering Information :

| Device | Packing |
|----------------|-------------------------|
| Part Number-TP | Tape&Reel: 2.5Kpcs/Reel |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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