



Micro Commercial Components



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# SL24PL THRU SL210PL

## 2 Amp Low VF Schottky Rectifier 40 to 100 Volts

### Features

- Halogen free available upon request by adding suffix "-HF"
- Schottky Barrier Rectifier
- High Current Capability
- Low Forward Voltage
- 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

### Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 18°C/W Junction To Lead

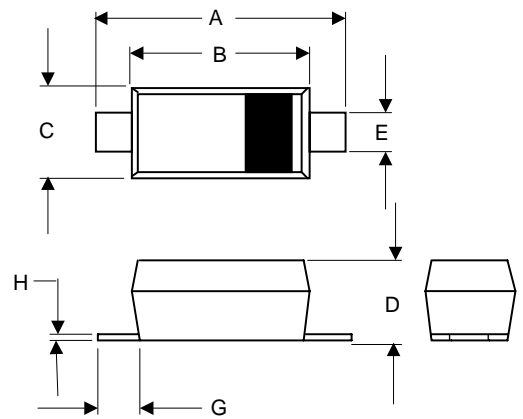
| MCC Catalog Number | Device Marking | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------|----------------|--|---------------------|-----------------------------|
| SL24PL             | SL24           | 40V                                    | 28V                 | 40V                         |
| SL26PL             | SL26           | 60V                                    | 42V                 | 60V                         |
| SL210PL            | SL210          | 100V                                   | 70V                 | 100V                        |

### Electrical Characteristics @ 25°C Unless Otherwise Specified

|   |             |  |  |
|---|-------------|--|--|
| Average Forward Current                                 | $I_{F(AV)}$ | 2.0A                                       | $T_a = 75^\circ\text{C}$                     |
| Peak Forward Surge Current                              | $I_{FSM}$   | 50A  | 8.3ms, half sine                             |
| Maximum Instantaneous Forward Voltage                   | $V_F$       | SL24PL .47V<br>SL26PL .55V<br>SL210PL .72V | $I_{FM} = 2.0A;$<br>$T_J = 25^\circ\text{C}$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | $I_R$       | 0.5mA                                      | $T_A = 25^\circ\text{C}$                     |

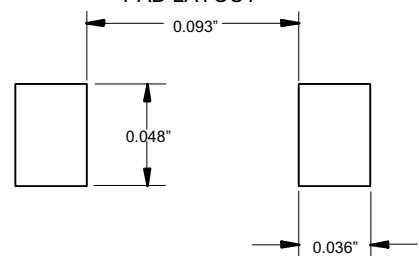
Note:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

### 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



Characteristics(Typical)

FIG1 Forward Current Dearting Curve

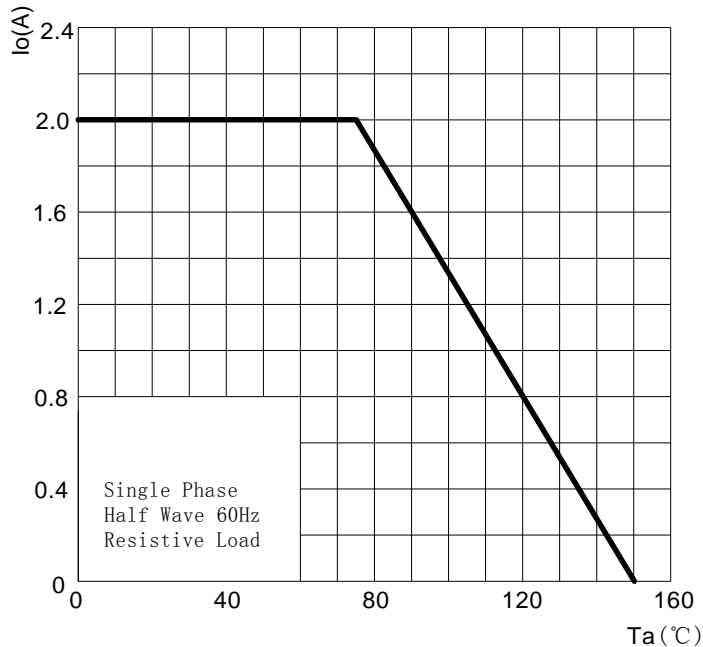


FIG2: Surge Forward Current Capadility

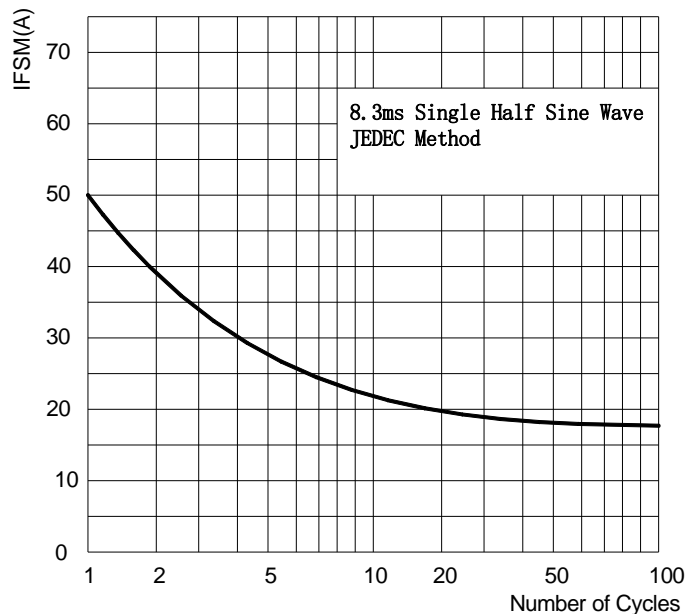


FIG3: Forward Voltage

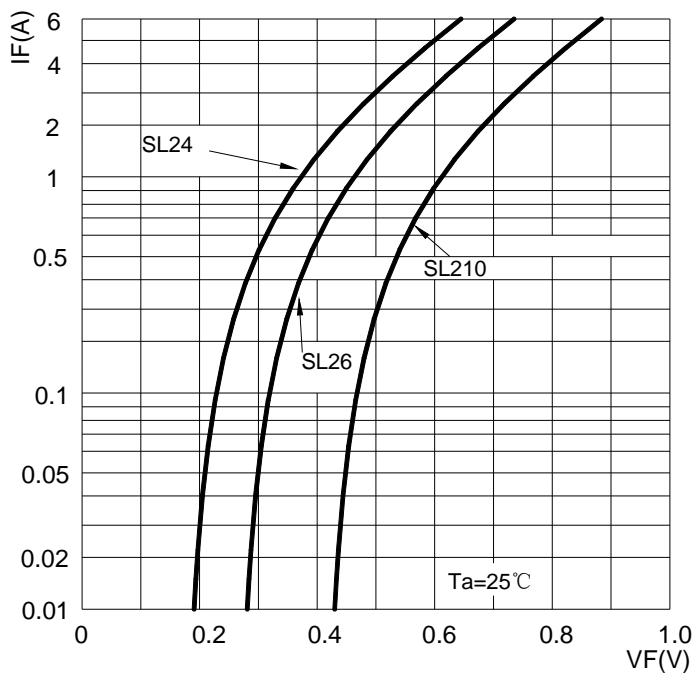
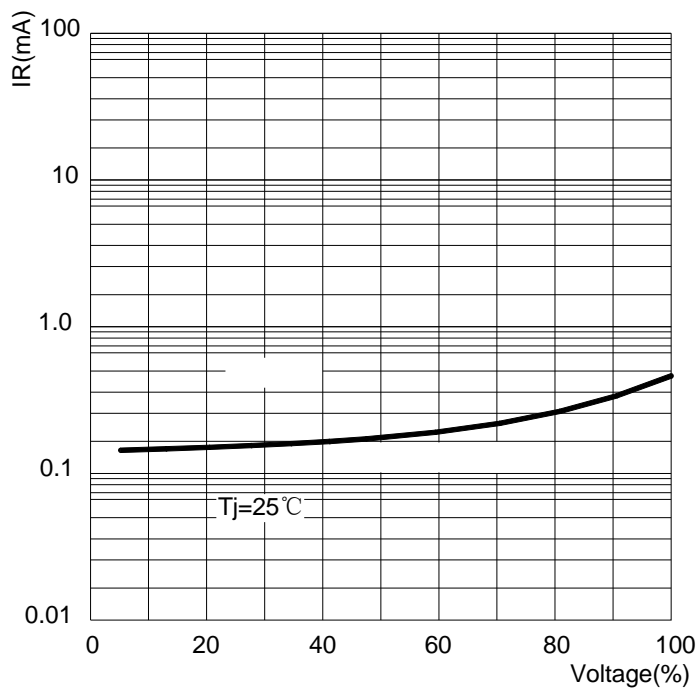


FIG4: Typical Reverse Characteristics





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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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- Консультации по применению компонента;
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#### Как с нами связаться

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