

POWER DISCRETES
Description

Quick reference data

$V_R = 2500V - 15000V$

$I_F = 0.5A$

$I_r = 5\mu A$

$I_{FSM} = 35A$

Features

- ◆ Low forward voltage drop
- ◆ Low reverse leakage current
- ◆ High thermal shock resistance

Electrical Specifications

Electrical specifications @ $T_A = 25^\circ C$ unless otherwise specified.

| Device Types | V_{RWM} | $I_{F(AV)}$ $T_A = 25^\circ C$ | $I_{F(AV)}$ $T_A = 55^\circ C$ | I_{FRM} | I_{FSM} | $I_R @ V_{RWM}$, $T_A = 25^\circ C$ | $I_R @ V_{RWM}$, $T_A = 100^\circ C$ | $V_f @ I_{F(AV)}$ $T_A = 25^\circ C$ | t_{tr} | Dim "C" (See Table G21) |
|--------------|-----------|-----------------------------------|-----------------------------------|-----------|-----------|---|--|---|----------|----------------------------|
| | Volts | Amps | Amps | Amps | Amps | μA | μA | Volts | ns | Inches |
| SLF2500 | 2500 | 0.5 | 0.5 | 10 | 35 | 5 | 100 | 4 | 300 | 1.145 |
| SLF5000 | 5000 | 0.5 | 0.5 | 10 | 35 | 5 | 100 | 7.5 | 300 | 1.145 |
| SLF10000 | 10000 | 0.5 | 0.5 | 10 | 35 | 5 | 100 | 15 | 300 | 2.020 |
| SLF15000 | 15000 | 0.5 | 0.5 | 10 | 35 | 5 | 100 | 22.5 | 300 | 2.770 |

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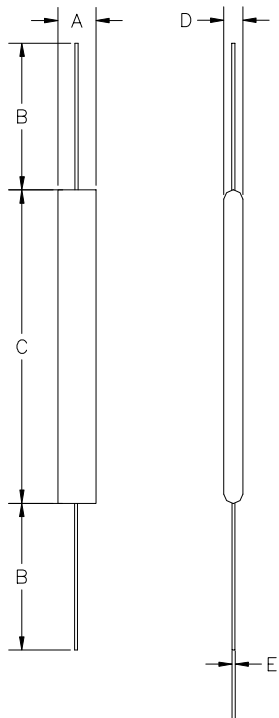
Ordering Information

| Part Number | Description |
|--|---------------------------|
| SLF2500 SLF5000 SLF10000 SLF15000 | Axial lead ⁽¹⁾ |

Note:

(1) Available in trays. Please consult factory for quantities.

Outline Drawing



G21

| DIM ^N | INCHES | | MM | | NOTE |
|------------------|--------------------|------|------|------|------|
| | MIN | MAX | MIN | MAX | |
| A | - | .52 | - | 13.2 | - |
| B | 2.00 | - | 50.8 | - | - |
| C | SEE TABLE (Page 1) | | | | |
| D | - | .26 | - | 6.6 | - |
| E | .048 | .054 | 1.22 | 1.37 | - |

Contact Information

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