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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SL1812270-12V
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2025-2-20
 PAGE NO.: 1 of 1

Specification Sheet

Terminal Pad Solderability:
 Meets EIA Specification RS186-9E
 And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

Marking:

Alpha Logo
 Part Identification

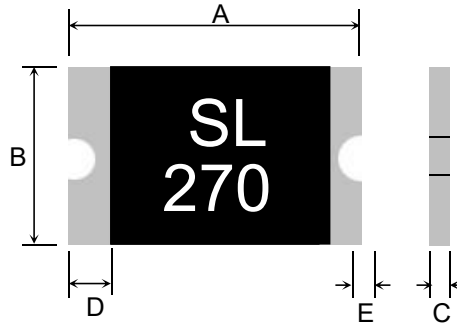


TABLE I. DIMENSIONS:

| Model | A | | B | | C | | D | E |
|---------------|------|------|------|------|------|------|------|------|
| | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Min. |
| SL1812270-12V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 0.70 | 0.30 | 0.15 |

Unit:mm

TABLE II. PERFORMANCE RATINGS:

| Model | Marking | V_{max} (V) | I_{max} (A) | I_{hold} @25°C (A) | I_{trip} @25°C (A) | P_d Typ. (W) | Maximum Time To Trip | | Resistance | |
|---------------|---------|------------------|------------------|----------------------------|----------------------------|----------------------|-------------------------|---------------|----------------------|----------------------|
| | | | | | | | Current (A) | Time (Sec) | $R_{i_{min}}$ (Ω) | $R_{1_{max}}$ (Ω) |
| SL1812270-12V | SL270 | 12 | 50 | 2.70 | 6.20 | 1.0 | 13.5 | 2.0 | 0.0030 | 0.0220 |

Order Information

Packaging

| SL1812 | 270-12V | Tape & Reel Quantity |
|--------------------------|---------|----------------------|
| Product name | Hold | Max |
| Size 4532 mm /1812 mils | Current | voltage |
| SL: surface mount device | 2.70A | 1500 pcs/reel |

Recognition:

2015/863/EU

EN14582

