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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SL1812700-12V
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2025-2-20
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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

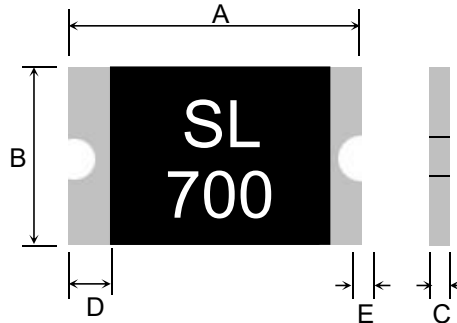


TABLE I. DIMENSIONS:

Model	A		B		C		D	E
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SL1812700-12V	4.37	4.73	3.07	3.41	0.45	1.10	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)
SL1812700-12V	SL700	12	50	7.00	14.00	1.5	35.0	5.0	0.0010	0.0080

Order Information**Packaging**

SL1812	700-12V	Tape & Reel Quantity
Product name	Hold	1500 pcs/reel
Size 4532 mm /1812 mils	Current	
SL: surface mount device	7.00A	

Recognition:

2015/863/EU

EN14582

