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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SL1812550-12V
 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

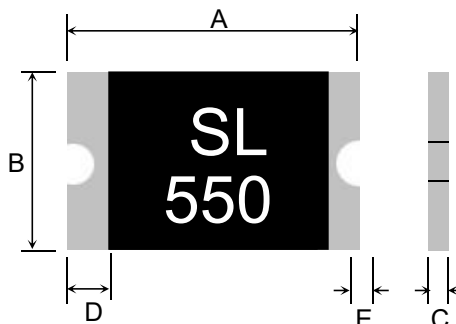


TABLE I. DIMENSIONS:

Model	A		B		C		D	E
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SL1812550-12V	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)
SL1812550-12V	SL550	12	50	5.50	11.00	1.5	27.5	5.0	0.0020	0.0100

Order Information

Packaging

SL1812	550-12V	Tape & Reel Quantity
Product name	Hold	1500 pcs/reel
Size 4532 mm /1812 mils	Current	
SL: surface mount device	5.50A	

Recognition:

2015/863/EU

EN14582

