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**Techfuse**  
**PTC Devices**  
 Resettable Fuse

PRODUCT: SL1812850-12V  
 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

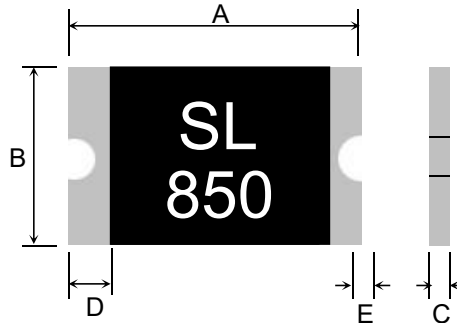


TABLE I. DIMENSIONS:

Model	A		B		C		D	E
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SL1812850-12V	4.37	4.73	3.07	3.41	0.60	1.30	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)
SL1812850-12V	SL850	12	50	8.5	17.0	1.5	42.5	5.0	0.0005	0.0060

### Order Information

### Packaging

SL1812	850-12	Tape & Reel Quantity	
Product name	Hold	Max	1500 pcs/reel
Size 4532 mm /1812 mils	Current	voltage	
SL: surface mount device	8.50A		

Recognition:

2015/863/EU

EN14582

