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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SL1812500-8V
 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

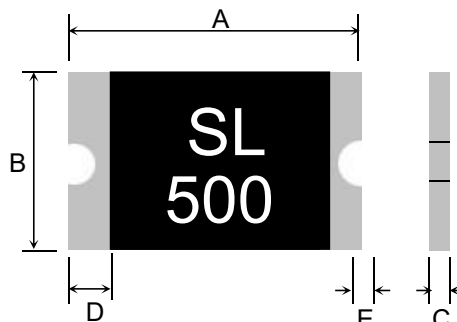


TABLE I. DIMENSIONS:

Model	A		B		C		D	E
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
SL1812500-8V	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)
SL1812500-8V	SL500	8	50	5.00	10.00	1.5	25.0	5.0	0.0030	0.0120

Order Information

Packaging

SL1812	500-8V	Tape & Reel Quantity
Product name	Hold	1500 pcs/reel
Size 4532 mm /1812 mils	Current	
SL: surface mount device	5.00A	

Recognition: UL approved.

E201504/E319079



2015/863/EU



EN14582

