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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SMD050L
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2026/4/2
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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:

α Alpha Logo
 050L Part Identification

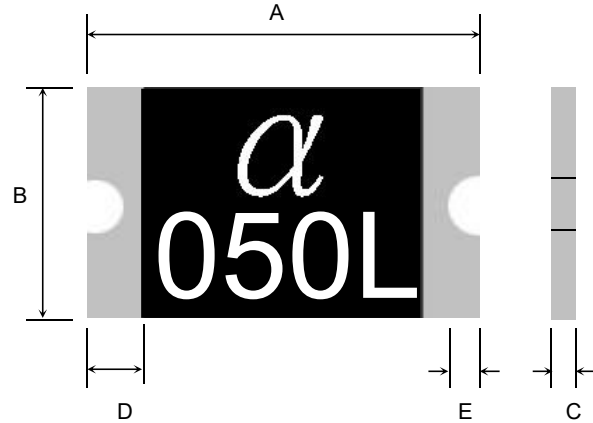


TABLE I. DIMENSIONS:

Model	A		B		C		D
	MIN	MAX	MIN	MAX	MIN	MAX	MIN
SMD050L	6.73	7.98	4.80	5.44	0.60	1.30	0.30

Unit:mm

TABLE II. PERFORMANCE RATINGS:

Model	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)
SMD050L	60	100	0.50	1.00	1.5	2.5	4.0	0.180	1.400

Order Information

Packaging

SMD2920	050	Tape & Reel Quantity
Product name	Hold Max	2000 pcs/reel
Size 7555 mm / 2920 mils	Current voltage	
SMD: surface mount device	0.50A	

Agency Approvals :



E201504(Alpha-Top)/E319079(Sea&Land)



CQC25001473187

GB 4943.1-2022; IEC 60730-1 : 2013 15、17、J.15、J.17; GB/T 7153-2002

Regulation/Standard:



2015/863/EU



EN14582