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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: mSMD300
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2026/3/20
 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:

α Alpha Logo
 300 Part Identification

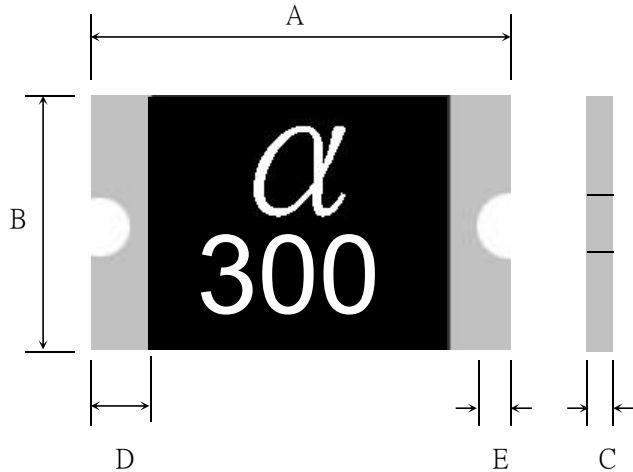


TABLE I. DIMENSIONS:

Model	A		B		C		D	E
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
mSMD300	4.37	4.73	3.07	3.41	0.50	1.30	0.30	0.25

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)
mSMD300	8	100	3.00	5.00	0.8	8.0	4.00	0.012	0.040

Order Information

Packaging

mSMD1812	300	Tape & Reel Quantity
Product name	Hold Max	1500 pcs/reel
Size 4532 mm /1812 mils	Current voltage	
SMD: surface mount device	3.00A	

Recognition:

Agency Approvals :



E201504/E319079

R 50481056

CQC25001473187

GB 4943.1-2022; IEC 60730-1 : 2013 15、17、J.15、J.17; GB/T 7153-2

Regulation/Standard: 2015/863/EU



EN14582

