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Techfuse
PTC Devices
Resettable Fuse

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
100	Part Identification

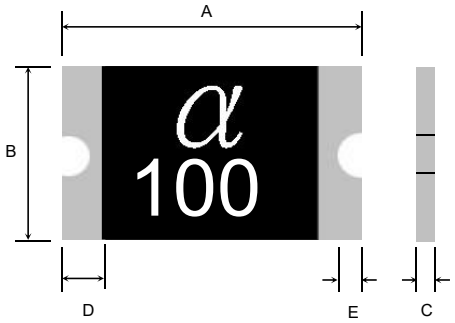

TABLE I. DIMENSIONS:

Model	A		B		C		D
	Min.	Max.	Min.	Max.	Min.	Max.	Min.
SMD2018-030	4.72	5.44	4.22	4.93	0.60	1.10	0.30
SMD2018-050	4.72	5.44	4.22	4.93	0.70	1.30	0.30
SMD2018-100	4.72	5.44	4.22	4.93	0.45	0.80	0.30
SMD2018-100-24V	4.72	5.44	4.22	4.93	0.60	1.30	0.30
SMD2018-100-33V	4.72	5.44	4.22	4.93	0.60	1.30	0.30
SMD2018-150	4.72	5.44	4.22	4.93	0.45	0.80	0.30
SMD2018-200	4.72	5.44	4.22	4.93	0.40	0.80	0.30

Unit:mm

TABLE II. PERFORMANCE RATINGS:

Model	V_{max}	I_{max}	I_{hold}	I_{trip}	P_d	Maximum Time To Trip		Resistance		Agency Approval	
	(V)	(A)	@25°C (A)	@25°C (A)	Typ. (W)	Current (A)	Time (Sec)	Ri_{min} (Ω)	Ri_{typ} (Ω)	UL	CQC
SMD2018-030	60	100	0.30	0.60	0.9	1.5	3.00	0.500	2.300	✓	✓
SMD2018-050	60	100	0.55	1.20	1.0	2.5	3.00	0.200	1.000	✓	✓
SMD2018-100	15	100	1.10	2.20	1.1	8.0	0.40	0.060	0.360	✓	✓
SMD2018-100-24V	24	100	1.10	2.20	1.1	8.0	0.40	0.060	0.360	✓	✓
SMD2018-100-33V	33	100	1.10	2.20	1.1	8.0	0.40	0.060	0.360	✓	✓
SMD2018-150	15	100	1.50	3.00	1.1	8.0	0.80	0.050	0.170		✓
SMD2018-200	10	100	2.00	4.00	1.1	8.0	2.40	0.030	0.100		✓

Order Information **Packaging**

SMD2018	100	-33V	Tape & Reel Quantity
Product name	Hold	Max	030, 050 100-33V 1,500 pcs/reel
Size 5045 mm / 2018 mils	Current	voltage	100, , 150, 200 2,500 pcs/reel
SMD：surface mount device	0.50A		

Tape & reel packaging per EIA481-1

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