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Techfuse
PTC Devices
 Resettable Fuse

PRODUCT: SMD2018 series
 DOCUMENT: QR0429
 ECN. NO.:
 REV LETTER:
 REV DATE: 2021-1-30
 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
 100 Part Identification

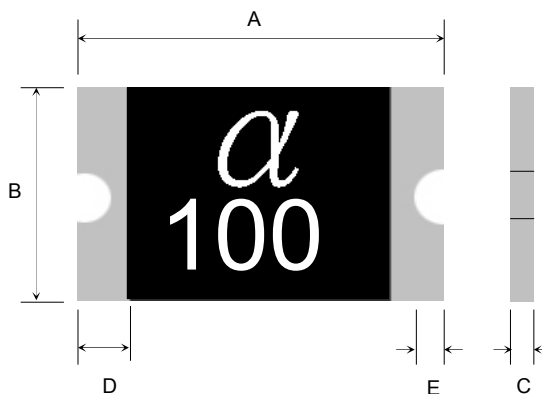


TABLE I. DIMENSIONS:

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
SMD2018-100-33V	4.72	5.44	4.22	4.93	0.45	0.80	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} (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)	$R_{i_{typ}}$ (Ω)	$R_{1_{max}}$ (Ω)
SMD2018-030	60	100	0.30	0.60	0.9	1.5	3.00	0.500	1.200	2.300
SMD2018-050	60	100	0.55	1.20	1.0	2.5	3.00	0.200	0.600	1.000
SMD2018-100	15	100	1.10	2.20	1.1	8.0	0.40	0.060	0.110	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	0.060	0.170
SMD2018-200	10	100	2.00	4.00	1.1	8.0	2.40	0.030	0.045	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

Recognition: UL Pending.