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**Techfuse**  
**PTC Devices**  
 Resettable Fuse

PRODUCT: SMD2018 series  
 DOCUMENT: QR0429  
 ECN NO.:  
 REV LETTER:  
 REV DATE: 2023-1-5  
 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:

$\alpha$  Alpha Logo  
 100 Part Identification

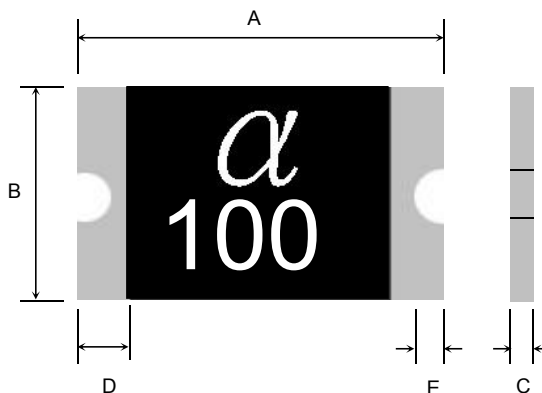


TABLE I. DIMENSIONS:

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	$V_{max}$ (V)	$I_{max}$ (A)	$I_{hold}$ @25°C (A)	$I_{trip}$ @25°C (A)	$P_d$ Typ. (W)	Maximum Time To Trip		Resistance		Agency Approval	
						Current (A)	Time (Sec)	$R_{i_{min}}$ ( $\Omega$ )	$R_{i_{typ}}$ ( $\Omega$ )	UL	TUV
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

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 approved.

E201504/E319079  
 2015/863/EU

EN14582

