

# RAYCHEM PolySwitch Resettable Fuses



This product is RoHS compliant.



Tyco Electronics

Authorized Distributor

More than ten years ago, Raychem Circuit Protection introduced the SMD product family and polymeric PTC devices quickly became the computer industry standard for keyboard, mouse, and disk drive protection. In 1995, Raychem Circuit Protection advanced the technology, reducing the size and cost of surface-mount resettable devices with the introduction of its miniSMD product series. The recent additions to the surface mount family included the nanoSMD series, which reduces the size to a 3216mm (1206mils) footprint, one-third the size of the popular miniSMD series.

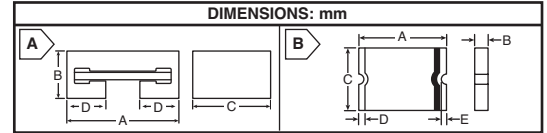
## RAYCHEM NANOSMD SERIES

### Features:

- Voltage rating 6V
- Agency recognition: UL, CSA, TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device.

### Applications:

- Battery Packs
- LCD Power Screen
- SCSI
- PS/2 mouser / keyboard



For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	100	500	1000
650—NANOC050F/13.2-2		A	6	40	0.5	1	.10 @ 8.0	3.00	1.20	1.80	1.05	--	0.15	0.70				
650—NANOSMD075F-2		A	6	40	0.75	1.5	.20 @ 8.0	3.00	1.20	1.80	1.05	--	0.10	0.29				
650—NANOSMD075F-2		A	6	40	1	1.8	.30 @ 8.0	3.00	1.20	1.80	1.05	--	0.06	0.21				
650—NANOSMD075F-2		B	6	40	1.5	3	1.0 @ 8.0	3.00	1.20	1.90	0.25	0.127	0.04	0.11				

## RAYCHEM MICROSMD SERIES

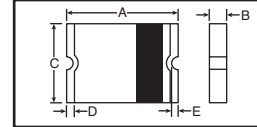
DIMENSIONS: mm

### Features:

- Voltage rating from 6V to 30V
- Agency recognition: UL, CSA, TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

### Applications:

- LCD Power Screens
- Modems
- Fans
- Smart Card Readers



For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.						A	B	C	D	E	Min.	Max.	1	100	500	1000
650—MICROSMD005F-2		30	10	0.05	0.15	1.5 @ .25	3.43	0.85	2.58	0.25	0.20	3.60	50.0				
650—MICROSMD010F-2		30	10	0.1	0.25	1.0 @ .50	3.43	0.85	2.58	0.25	0.25	2.10	15.0				
650—MICROSMD035F-2		6	40	0.35	0.75	.20 @ 8.0	3.43	0.85	2.58	0.30	0.25	0.32	1.30				
650—MICROSMD050F-2		13.2	40	0.5	1	.10 @ 5.0	3.43	0.85	2.58	0.30	0.25	0.25	0.90				
650—MICROSMD075F-2		6	40	0.75	1.5	.10 @ 8.0	3.43	0.85	2.58	0.30	0.25	0.11	0.40				
650—MICROSMD110F-2		6	40	1.10	2.2	1.0 @ 5	3.43	0.85	2.58	0.30	0.25	0.07	0.21				
650—MICROSMD150F-2		6	40	1.5	3	5.0 @ 5.0	3.43	0.85	2.58	0.30	0.25	0.04	0.11				

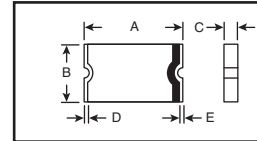
## RAYCHEM MINISMD SERIES

DIMENSIONS: mm

### Features:

- Voltage rating from 6V to 60V
- Agency recognition: UL, CSA, TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

Cross-Reference Chart	
Raychem miniSMD	Polytronics SMD 1812
	Bourns MF-MSMD
	Littelfuse 1812L



For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.						A	B	C	D	E	Min.	Max.	1	100	500	1000
650—MINISMD014F-2		60	10	.14	.34	.15 @ 1.5	4.73	3.41	0.89	0.30	0.50	1.50	6.00				
650—MINISMD020F-2		30	10	.20	.40	.02 @ 8.0	4.73	3.41	0.81	0.65	--	.80	5.00				
650—MINISMD050F-2		15	40	.50	1.00	.10 @ 8.0	4.73	3.41	0.62	0.30	0.50	.15	1.00				
650—MINISMD075F-2		13.2	40	.75	1.50	.15 @ 8.0	4.73	3.41	0.62	0.30	0.50	.11	.45				
650—MINISMD110F-2		6	40	1.10	2.20	.30 @ 8.0	4.73	3.41	0.62	0.30	0.50	.04	.21				
650—MINISMD125F-2		6	40	1.25	2.50	.40 @ 8.0	4.73	3.41	0.48	0.30	0.50	.05	.14				
650—MINISMD150F-2		6	40	1.50	3.00	.50 @ 8.0	4.73	3.41	0.48	0.30	0.50	.04	.11				
650—MINISMD200F-2		6	40	2.00	4.00	10.0 @ 8.0	4.73	3.41	1.62	0.30	0.50	.02	.07				

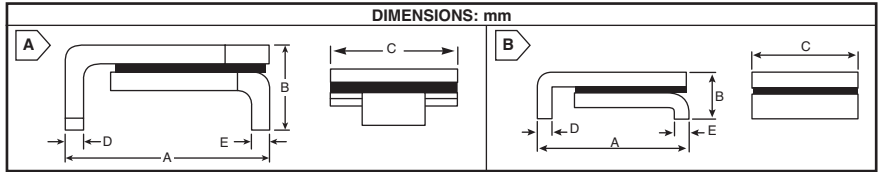
## RAYCHEM SMD SERIES

### Features:

- Voltage rating from 6V to 60V
- Agency recognition: UL, CSA, TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

### Applications:

- AC adapter input power
- LNB (Low Noise Block)
- Signal - data communication ≤30V
- IEEE 1394 Power Provider



For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	100	500	1000
650—SMD030F-2		A	60	10	0.3	0.6	3.0 @ 1.5	7.98	3.18	5.44	0.71	0.71	1.2	4.80				
650—SMD050F-2		A	60	10	0.5	1	4.0 @ 2.5	7.98	3.18	5.44	0.71	0.3	0.35	1.40				
650—SMD075F-2		A	30	40	0.75	1.5	0.3 @ 8.0	7.98	3.18	5.44	0.71	0.71	0.35	1.00				
650—SMD100F-2		A	30	40	1.1	2.2	0.5 @ 8.0	7.98	3	5.44	0.71	0.71	0.12	0.48				
650—SMD100F-2018-2		B	15	15	1.1	2.2	0.5 @ 8.0	5.44	1.78	4.93	0.36	0.36	0.1	0.4				
650—SMD125F-2		A	15	40	1.25	2.5	2.0 @ 8.0	7.98	3	5.44	0.71	0.71	0.16	0.25				
650—SMD150F-2		A	15	40	1.5	3	5.0 @ 8.0	9.40	3	6.71	0.71	0.71	0.06	0.25				
650—SMD030F-2018-2		B	60	20	0.3	0.8	1.5 @ 1.5	5.44	1.78	4.93	0.36	0.36	0.5	2.3				
650—SMD150/33		A	33	40	1.5	3	5 @ 8	9.4	3	6.71	0.71	0.71	0.080	0.230				
650—SMDH160		A	16	70	1.6	3.2	15 @ 8	9.4	3	6.71	0.71	0.71	0.05	0.15				
650—SMD200F-2		A	15	40	2	4	12 @ 8.0	9.40	3	6.71	0.71	0.71	0.05	0.125				
650—SMD250F-2		A	15	40	2.5	5	25 @ 8.0	9.40	3	6.71	0.71	0.71	0.035	0.085				
650—SMD260F-2		A	6	40	2.6	5.2	20 @ 8.0	7.98	3	5.44	0.71	0.71	0.025	0.075				
650—SMD300F-2		A	6	40	3	6	35 @ 8.0	7.98	3	5.44	0.71	0.71	0.015	0.048				
650—SMD185F-2		A	33	40	1.8	3.6	5 @ 8	9.4	3	6.71	0.71	0.71	0.065	0.165				