

RAYCHEM PolySwitch Resettable Fuses



Electronics

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.

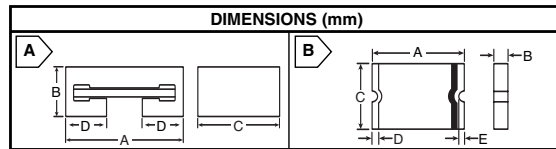
RAYCHEM NANOSMD SERIES

Features:

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

Applications:

- Battery Packs
- LCD Power Screen
- SCSI
- PS/2 mouse / 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	NANOSMDM050	A	6	40	0.5	1	.10 @ 8.0	3.00	1.20	1.80	1.05	--	0.15	0.70	.62	.51	.42	.37
650	NANOSMDM075	A	6	40	0.75	1.5	.20 @ 8.0	3.00	1.20	1.80	1.05	--	0.10	0.29	.62	.51	.42	.37
650	NANOSMDM100	A	6	40	1	1.8	.30 @ 8.0	3.00	1.20	1.80	1.05	--	0.06	0.21	.62	.51	.42	.37
650	NANOSMDC150	B	6	40	1.5	3	1.0 @ 8.0	3.00	1.20	1.90	0.25	0.127	0.04	0.11	.62	.51	.42	.37

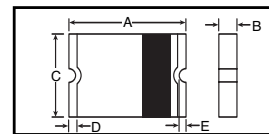
RAYCHEM MICROSMD SERIES

Features:

- Voltage rating from 6V to 30V
- Agency recognition: UL, CSA, TVV
- 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	MICROSMD005	30	10	0.05	0.15	1.5 @ .25	3.43	0.85	2.58	0.25	0.20	3.60	50.0	.60	.50	.41	.36
650	MICROSMD010	30	10	0.1	0.25	1.0 @ .50	3.43	0.85	2.58	0.25	0.25	2.10	15.0	.60	.50	.41	.36
650	MICROSMD035	6	40	0.35	0.75	.20 @ 8.0	3.43	0.85	2.58	0.30	0.25	0.32	1.30	.60	.50	.41	.36
650	MICROSMD050	13.2	40	0.5	1	.10 @ 5.0	3.43	0.85	2.58	0.30	0.25	0.25	0.90	.60	.50	.41	.36
650	MICROSMD075	6	40	0.75	1.5	.10 @ 8.0	3.43	0.85	2.58	0.30	0.25	0.11	0.40	.60	.50	.41	.36
650	MICROSMD110	6	40	1.10	2.2	1.0 @ 5	3.43	.85	2.58	0.30	0.25	0.07	0.21	.54	.45	.37	.32
650	MICROSMD150	6	40	1.5	3	5.0 @ 5.0	3.43	0.85	2.58	0.30	0.25	0.04	0.11	.60	.50	.41	.36

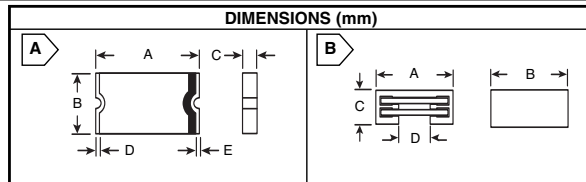
RAYCHEM MINISMD SERIES

Features:

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

Cross-Reference Chart

Raychem	Polytronics SMD 1812
	Bourns MF-MSMD
miniSMD	Littelfuse 1812L



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	MINISMD014	A	60	10	.14	.34	.15 @ 1.5	4.73	3.41	0.89	0.30	0.50	1.50	6.00	.72	.58	.48	.43
650	MINISMD020	A	30	10	.20	.40	.02 @ 8.0	4.73	3.41	0.81	0.65	--	.80	5.00	.61	.48	.40	.36
650	MINISMD050	A	15	40	.50	1.00	.10 @ 8.0	4.73	3.41	0.62	0.30	0.50	1.00	.72	.58	.48	.43	
650	MINISMD075	A	13.2	40	.75	1.50	.15 @ 8.0	4.73	3.41	0.62	0.30	0.50	.11	.45	.72	.58	.48	.43
650	MINISMD110	A	6	40	1.10	2.20	.30 @ 8.0	4.73	3.41	0.62	0.30	0.50	.04	.21	.72	.58	.48	.43
650	MINISMD125	A	6	40	1.25	2.50	.40 @ 8.0	4.73	3.41	0.48	0.30	0.50	.05	.14	.57	.46	.38	.34
650	MINISMD150	A	6	40	1.50	3.00	.50 @ 8.0	4.73	3.41	0.48	0.30	0.50	.04	.11	.61	.49	.41	.36
650	MINISMD190	A	16	100	1.90	3.80	2.0 @ 10	11.15	5.33	0.53	0.51	--	.02	.08	.72	.58	.48	.43
650	MINISMD200	A	6	40	2.00	4.00	10.0 @ 8.0	4.73	3.41	1.62	0.30	0.50	.02	.07	.67	.54	.45	.40
650	MINISMD260	B	6	40	2.60	4.55	5.0 @ 8.0	4.75	3.60	2.00	1.40	--	.01	--	.90	.72	.60	.54
650	MINISMDM110/16	B	16	40	1.10	1.95	.50 @ 8.0	4.75	3.60	2.00	1.40	--	.06	.18	.75	.60	.50	.45

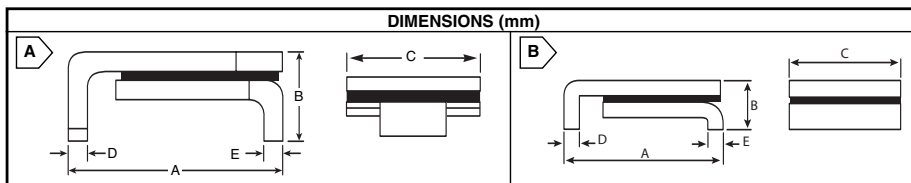
RAYCHEM SMD SERIES

Features:

- Voltage rating from 6V to 60V
- Agency recognition: UL, CSA, TVV
- 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



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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	SMD030	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	.80	.66	.55	.48
650	SMD050	A	60	10	0.5	1	4.0 @ 2.5	7.98	3.18	5.44	0.71	0.3	0.35	1.40	.80	.66	.55	.48
650	SMD075	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	.80	.66	.55	.48
650	SMD100	A	30	40	1.1	2.2	0.5 @ 8.0	7.98	3	5.44	0.71	0.71	0.12	0.48	.80	.66	.55	.48
650	SMD100-2018	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	.79	.66	.53	.47
650	SMD125	A	15	40	1.25	2.5	2.0 @ 8.0	7.98	3	5.44	0.71	0.71	0.16	0.25	.80	.66	.55	.48
650	SMD150	A	15	40	1.5	3	5.0 @ 8.0	9.40	3	6.71	0.71	0.71	0.06	0.25	.80	.66	.55	.48
650	SMD030-2018	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	.80	.66	.55	.48
650	SMD150/33	A	33	40	1.5	3	5 @ 8	9.4	3	6.71	0.71	0.71	0.080	0.230	.80	.66	.55	.48
650	SMDH160	A	16	70	1.6	3.2	15 @ 8	9.4	3	6.71	0.71	0.71	0.05	0.15	.80	.66	.55	.48
650	SMD200	A	15	40	2	4	12 @ 8.0	9.40	3	6.71	0.71	0.71	0.05	0.125	.80	.66	.55	.48
650	SMD250	A	15	40	2.5	5	25 @ 8.0	9.40	3	6.71	0.71	0.71	0.035	0.085	.80	.66	.55	.48
650	SMD260	A	6	40	2.6	5.2	20 @ 8.0	7.98	3	5.44	0.71	0.71	0.025	0.075	.80	.66	.55	.48
650	SMD300	A	6	40	3	6	35 @ 8.0	7.98	3	5.44	0.71	0.71	0.015	0.048	.80	.66	.55	.48
650	SMD185	A	33	40	1.8	3.6	5 @ 8	9.4	3	6.71	0.71	0.71	0.065	0.165	.80	.66	.55	.48