

RAYCHEM PolySwitch Resettable Fuses

RoHS Compliant **This product is RoHS compliant.**

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.

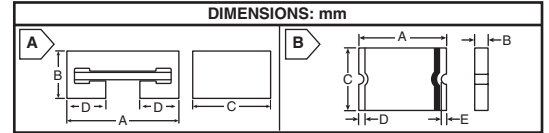
NANOSMD SERIES

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 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	NANOC050F/13.2-2	A	13.2	100	0.5	1.1	.10 @ 8.0	3.4	0.74	1.80	0.75	--	0.20	0.75	.34	.31	.29	.28
650	NANOSMD0075F-2	A	6	100	0.75	1.5	.10 @ 8.0	3.4	0.68	1.80	0.75	--	0.09	0.3	.34	.31	.29	.276
650	NANOSMDC110F-2	A	6	100	1.1	2.2	.10 @ 8.0	3.4	0.68	1.80	0.75	--	0.07	0.2	.37	.32	.30	.282
650	NANOSMDC150F-2	B	6	100	1.5	3	.30 @ 8.0	3.4	0.89	1.80	0.75	--	0.04	0.11	.34	.31	.29	.26

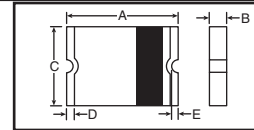
MICROSMD SERIES

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	2.8	0.75	--	3.60	50.0	.37	.33	.30	.28
650	MICROSMD010F-2	30	10	0.1	0.25	1.0 @ .50	3.43	0.85	2.8	0.75	--	2.10	15.0	.37	.33	.30	.28
650	MICROSMD035F-2	6	40	0.35	0.75	.20 @ 8.0	3.43	0.62	2.8	0.75	--	0.32	1.30	.37	.33	.30	.28
650	MICROSMD050F-2	13.2	40	0.5	1	.05 @ 8.0	3.43	0.62	2.8	0.75	--	0.25	0.90	.37	.33	.30	.28
650	MICROSMD075F-2	8	40	0.75	1.5	.10 @ 8.0	3.43	0.62	2.8	0.75	--	0.11	0.40	.37	.33	.30	.28
650	MICROSMD110F-2	6	40	1.10	2.2	.2 @ 8.0	3.43	0.48	2.8	0.75	--	0.07	0.21	.37	.33	.30	.28
650	MICROSMD150F-2	6	40	1.5	3	1.0 @ 5.0	3.43	1.22	2.8	0.75	--	0.04	0.11	.37	.33	.30	.284

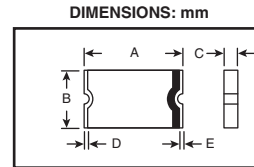
MINISMD SERIES

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	Polytronics SMD 1812
	Bourns MF-MSMD
miniSMD	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	.28	.008 @ 8.0	4.73	0.89	3.41	0.95	--	1.50	6.00	.38	.32	.30	.275
650	MINISMD020F-2	30	10	.20	.40	.02 @ 8.0	4.73	0.89	3.41	0.95	--	0.60	3.30	.34	.31	.299	.287
650	MINISMD050F-2	24	100	.50	1.00	.15 @ 8.0	4.73	0.62	3.41	0.95	--	.15	1.00	.34	.31	.29	.287
650	MINISMD075F-2	13.2	100	.75	1.50	.2 @ 8.0	4.73	0.62	3.41	0.95	--	.11	.45	.38	.32	.30	.275
650	MINISMD110F-2	8	100	1.10	2.20	.30 @ 8.0	4.73	3.41	0.62	0.30	0.50	.04	.21	.30	.264	.24	.22
650	MINISMD125F-2	6	100	1.25	2.50	.40 @ 8.0	4.73	0.48	3.41	0.95	--	.05	.14	.42	.33	.29	.27
650	MINISMD150F-2	6	100	1.50	3.00	.50 @ 8.0	4.73	0.48	3.41	0.95	--	.04	.11	.38	.32	.30	.275
650	MINISMD200F-2	8	100	2.00	4.00	5.0 @ 8.0	4.73	1.22	3.41	0.95	--	.02	.07	.45	.35	.33	.30

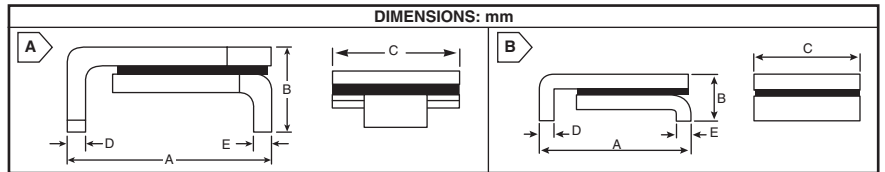
SMD SERIES

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	.47	.42	.39	.36
650	SMD050F-2	A	60	10	0.5	1	4.0 @ 2.5	7.98	3.18	5.44	0.71	0.71	0.35	1.40	.47	.42	.39	.36
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	.47	.42	.39	.36
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	.47	.42	.39	.36
650	SMD100F-2018-2	B	15	40	1.1	2.2	0.5 @ 8.0	5.44	1.78	4.93	0.36	0.36	0.1	0.4	.47	.42	.40	.36
650	SMD125F-2	A	15	40	1.25	2.5	2.0 @ 8.0	7.98	3	5.44	0.71	0.71	0.07	0.25	.47	.42	.39	.36
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	.50	.44	.40	.329
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	.47	.42	.39	.36
650	SMD150/33	A	33	40	1.5	3	5 @ 8	9.4	3	6.71	0.71	0.71	0.080	0.230	.52	.48	.43	.41
650	SMDH160	A	16	70	1.6	3.2	15 @ 8	9.4	3	6.71	0.71	0.71	0.05	0.15	.57	.51	.41	.382
650	SMD200F-2	A	15	40	2	4	12 @ 8.0	9.40	3	6.71	0.71	0.71	0.05	0.125	.49	.45	.40	.329
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	.50	.46	.41	.338
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	.51	.46	.42	.39
650	SMD300F-2	A	6	40	3	6	35 @ 8.0	7.98	3	5.44	0.71	0.71	0.015	0.048	.51	.46	.42	.39
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	.52	.48	.43	.351