

TE PolySwitch Resettable Fuses

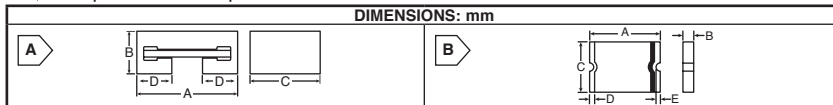


RoHS Compliant This product is RoHS compliant.

NANOSMD SERIES

Features:

- Qualified per AEC-Q200 specification
- RoHS compliant and halogen free
- Products meet applicable automotive industry standards
- Fast time-to-trip
- Low resistance



For quantities greater than listed, 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. Part No.							A	B	C	D	E	Min.	Max.	1	10	100	500
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	.232	.218
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	.31	.232	.211
650	NANOSMDC150F-2	B	6	100	1.5	3	.30 @ 8.0	3.4	0.89	1.80	0.75	--	0.04	0.11	.32	.305	.245	.211

MICROSMD SERIES



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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. Part No.							A	B	C	D	E	Min.	Max.	1	10	500	1000
650	MICROSMD005F-2	B	30	10	0.05	0.15	1.5 @ .25	3.43	0.85	2.8	0.75	--	3.60	50.0	.35	.339	.29	.25
650	MICROSMD010F-2	B	30	10	0.1	0.25	1.0 @ .50	3.43	0.85	2.8	0.75	--	2.10	15.0	.36	.348	.242	.234
650	MICROSMD035F-2	B	6	40	0.35	0.75	.20 @ 8.0	3.43	0.62	2.8	0.75	--	0.32	1.30	.36	.348	.30	.26
650	MICROSMD050F-2	B	13.2	40	0.5	1	.05 @ 8.0	3.43	0.62	2.8	0.75	--	0.25	0.90	.36	.348	.242	.234
650	MICROSMD075F-2	B	8	40	0.75	1.5	.10 @ 8.0	3.43	0.62	2.8	0.75	--	0.11	0.40	.41	.36	.242	.241
650	MICROSMD110F-2	B	6	40	1.10	2.2	.2 @ 8.0	3.43	0.48	2.8	0.75	--	0.07	0.21	.36	.348	.28	.26
650	MICROSMD150F-2	B	6	40	1.5	3	1.0 @ 8.0	3.43	1.22	2.8	0.75	--	0.04	0.11	.41	.35	.29	.25

MINISMD SERIES



Cross-Reference Chart

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

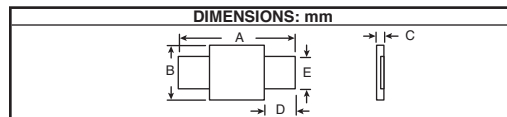
MOUSER STOCK NO.		Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Part No.							A	B	C	D	E	Min.	Max.	1	10	500	1000
650	MINISMD014F-2	B	60	10	.14	.28	.008 @ 8.0	4.73	0.89	3.41	0.95	--	1.50	6.00	.38	.31	.24	.20
650	MINISMD020F-2	B	30	10	.20	.40	.02 @ 8.0	4.73	0.89	3.41	0.95	--	0.60	3.30	.34	.304	.232	.208
650	MINISMD050F-2	B	24	100	.50	1.00	.15 @ 8.0	4.73	0.62	3.41	0.95	--	.15	1.00	.36	.30	.23	.20
650	MINISMD075F-2	B	13.2	100	.75	1.50	.2 @ 8.0	4.73	0.62	3.41	0.95	--	.11	.45	.36	.30	.23	.19
650	MINISMD110F-2	B	8	100	1.10	2.20	.30 @ 8.0	4.73	3.41	0.62	0.30	0.50	.04	.21	.29	.23	.192	.168
650	MINISMD150F-2	B	6	100	1.50	3.00	.50 @ 8.0	4.73	0.48	3.41	0.95	--	.04	.11	.36	.32	.242	.216
650	MINISMD200F-2	B	8	100	2.00	4.00	5.0 @ 8.0	4.73	1.22	3.41	0.95	--	.02	.07	.40	.33	.259	.223

TE SRP SERIES

Raychem's SRP Series offers the lowest resistance in ohm value when it comes to choosing a PolySwitch Resettable Device for your battery protection needs. The SRP can handle up to 30 volts DC with a trip rating of 7.6 amps.

Applications:

- Mobile phone battery packs
- Computer and PDA battery packs
- Cordless phone battery packs
- Camcorder battery packs



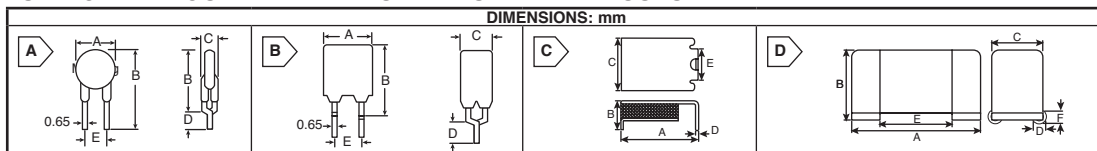
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MOUSER STOCK NO.		VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Part No.						A	B	C	D	E	Min.	Max.	1	10	100	500
650	SRP120F	15	100	1.2	2.7	5.0 @ 6.0	22.1	1.0	5.2	7.5	7.5	0.085	0.16	.48	.46	.38	.323
650	SRP175F	15	100	1.75	3.8	5.0 @ 8.75	23.1	1.0	5.2	7.5	5.5	0.05	0.09	.55	.51	.46	.323
650	SRP200F	30	100	2	4.4	4.0 @ 10.0	23.4	1.1	11.0	7.6	7.6	0.03	0.06	.48	.46	.38	.35
650	SRP420F	30	100	4.2	7.6	6.0 @ 20.0	32.4	1.1	13.6	7.5	7.5	0.012	0.024	.58	.55	.51	.38

TE TR AND TS SERIES POLYSWITCH TELECOM AND NETWORK RESETTABLE FUSES

Features:

- Resettable overcurrent protection
- Fast time to trip
- Low parasitic capacitance / flat impedance with frequency



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Part No.							A	B	C	D	E	Min.	Max.	1	10	100	500
650	TRF250-080U	A	250	3	0.08	0.16	.35 @ 3.00	4.8	9.1	3.8	4.7	5.0	14.0	20.0	.57	.53	.42	.354
650	TRF250-120	B	250	3	0.12	0.24	1.00 @ 1.50	6.5	11.0	4.6	4.7	5.0	4.0	8.0	.62	.55	.52	.41
650	TRF250-145	B	250	3	0.145	0.29	1.00 @ 2.50	6.5	11.0	4.6	4.7	5.0	3.0	6.0	.62	.57	.51	.40
650	TRF250-180	A	250	10	0.18	0.65	3.00 @ 0.50	9.0	12.0	3.8	4.7	5.0	8.0	22.0	.60	.52	.469	.40
650	TRF600-150	B	600	3	0.15	0.3	1.00 @ 5.00	13.5	12.6	6.0	4.7	5.0	6.0	12.0	.83	.79	.72	.60
650	TRF600-160	B	600	3	0.16	0.32	1.00 @ 7.00	16.0	12.6	6.0	4.7	5.0	4.0	10.0	.95	.935	.82	.646
650	TS250-130F-2	C	250	3	0.13	0.23	1.00 @ .90	9.4	3.4	7.4	0.3	3.8	6.5	12.0	.75	.67	.60	.50
650	TS600-170F-2	D	600	3	0.17	0.4	1.00 @ 10.00	19.4	12.3	8.3	2.4	10.4	4.0	9.0	1.17	1.08	.98	.85

TE 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



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. Part 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	.37	.313	.299
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	.37	.313	.295
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	.37	.313	.295
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	.37	.313	.303
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	.52	.42	.343	.33
650	SMD150F/33-2	A	33	40	1.5	3	5 @ 8.0	9.4	3	6.71	0.71	0.71	0.080	0.230	.47	.37	.333	.327
650	SMDH160	A	16	70	1.6	3.2	15 @ 8.0	9.4	3	6.71	0.71	0.71	0.05	0.15	.59	.55	.51	.373
650	SMD200F-2	A	15	40	2	4	12 @ 8.0	9.40	3	6.71	0.71	0.71	0.05	0.125	.47	.37	.333	.29
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	.47	.42	.343	.30
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	.47	.37	.333	.31
650	SMD300F-2	A	6	40	3	6	35 @ 8.0	7.98	3	5.44	0.71	0.71	0.015	0.048	.47	.37	.35	.31
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	.42	.354	.348

