

Resettable Fuses - continued

Multifuse MF - MSMF Series
PTC - SMD 1812 Style



- Fast tripping resettable circuit protection
- Standard 4532mm (1812) footprint for automated assembly
- Reduced component size and resistance
- **CSA** and **TüV** Approved, **UL** Recognised



Operating temperature -40°C to +85°C
Max Surface Temp. (Tripped) 125°C
Power Dissipation (Tripped) 0.8W

(A) * I Hold	(A) ** I Trip	Height (mm)	Width (mm)	Depth (mm)	Mftrs. List No.	Order Code
V_{max} = 60V						
0.10	0.20	3.24	4.55	0.685	MF-MSMF010-2	935-0276
0.14	0.34	3.24	4.55	0.685	MF-MSMF014-2	935-0284
V_{max} = 30V						
0.20	0.40	3.24	4.55	0.685	MF-MSMF020-2	935-0292
0.35	0.75	3.2	3.2	0.665	MF-MSMF035-2	935-0306
V_{max} = 15V						
0.50	1.00	3.24	4.55	0.50	MF-MSMF050-2	935-0314
V_{max} = 13.2V						
0.75	1.50	3.24	4.55	0.5	MF-MSMF075-2	935-0322
V_{max} = 6V						
1.10	2.20	3.24	4.55	0.50	MF-MSMF110-2	935-0330
1.25	2.50	3.24	4.55	0.38	MF-MSMF125-2	935-0349
1.5	3.00	3.24	4.55	0.38	MF-MSMF150-2	935-0357

* I Hold - Current at which Multifuse will not trip
** I Trip - Current at which Multifuse will trip

405882

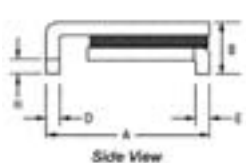
Hold Current (A)	Order Code	5+	50+	100+	250+	+
0.10	935-0276	52.00	48.00	44.00	21.00	--
0.14	935-0284	52.00	48.00	44.00	21.00	--
0.20	935-0292	48.00	43.00	41.00	19.00	--
0.35 *	935-0306	52.00	48.00	44.00	21.00	--
0.50	935-0314	48.00	43.00	41.00	19.00	--
0.75	935-0322	48.00	43.00	41.00	19.00	--
1.10	935-0330	48.00	43.00	41.00	19.00	--
1.25	935-0349	48.00	43.00	41.00	19.00	--
1.5	935-0357	48.00	43.00	41.00	19.00	--

* 1206 Case Style

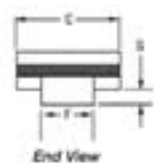
Multifuse MF - SM Series
PTC - SMD EIA 481-2 Style



- Surface mount overcurrent devices
- Industry standard EIA 481-2 standard package
- **CSA** and **TüV** Approved, **UL** Recognised



Terminal material:
Tin-plated brass



Order Codes	9350195, 9350209	9350217, 9350225	9350233, 9350241	9350250, 9350268						
V _{max} (V)	60	30	15	15						
I _{max} (I)	40	80	100	100						
Operating temperature (all Order Codes)	-40°C to +85°C									
(A) * I Hold	(A) ** I Trip	A Max	B Max	C Max	D & E Max	F Max	G Max	H Min	Mftrs. List No.	Order Code
0.3	0.6	7.98	5.44	3.18	0.71	2.41	1.37	0.43	MF-SM030-2-99	935-0195
0.5	1	7.98	5.44	3.18	0.71	2.41	1.37	0.43	MF-SM050-2-99	935-0209
0.75	1.5	7.98	5.44	3.18	0.71	2.41	1.37	0.43	MF-SM075-2-99	935-0217
1.1	2.2	7.98	5.44	3.0	0.71	2.41	1.37	0.43	MF-SM100-2-99	935-0225
1.25	2.5	7.98	5.44	3.00	0.71	2.41	1.37	0.43	MF-SM125-2-99	935-0233
1.50	3.00	7.98	6.71	3.00	0.71	2.41	1.37	0.43	MF-SM150-2-99	935-0241
2.00	4.00	7.98	6.71	3.00	0.71	2.41	1.37	0.43	MF-SM200-2-99	935-0250
2.50	5.00	9.5	6.71	3.00	0.71	2.41	1.37	0.43	MF-SM250-2-99	935-0268

* I Hold - Current at which Multifuse will not trip
** I Trip - Current at which Multifuse will trip

405903

Hold Current (A)	Order Code	5+	50+	100+	250+	+
0.3	935-0195	62.00	55.00	52.00	24.00	--
0.5	935-0209	62.00	55.00	52.00	24.00	--
0.75	935-0217	62.00	55.00	52.00	24.00	--
1.1	935-0225	62.00	55.00	52.00	24.00	--
1.25	935-0233	62.00	55.00	52.00	24.00	--
1.50	935-0241	66.00	60.00	55.00	26.00	--
2.00	935-0250	66.00	60.00	55.00	26.00	--
2.50	935-0268	66.00	60.00	55.00	26.00	--

POLYSWITCH™



The PolySwitch resettable fuse is a positive temperature coefficient (PTC) resistor that undergoes a large and abrupt change in resistance when an overcurrent or high temperature heats it above a specific point.

Under normal operating conditions the device resistance is just tens of milli-ohms. In the overcurrent condition the resistance substantially increases, thus limiting the fault current to a safe level. The polyswitch is reset by removing the fault condition and the supply voltage.

Note: The PolySwitch device is not intended for continual and repeated tripping. They are designed for over current and over temperature protection only.

213849

PolySwitch - RXE Series



Lead dia. = 0.51 (24 AWG).

RXE series of general purpose resettable fuses for applications with a maximum voltage of up to 60V

Maximum voltage 60V & 72V rms
Operating temperature -40°C to +85°C
Case meets the requirements of **UL94V-0**
Approved to **CSA** and **TUV**, **UL** Recognised

Maximum interrupt current 40A
Typical reset time <20s
Max surface temperature 125°C in tripped state

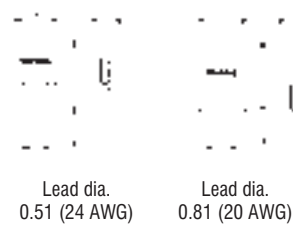
V max (V) rms	I _H (A)	I _T (A)	Dimensions					Mftrs. List No.	Order Code
			A Max.	B Max.	C Typ	D Min.	E Max.		
60	0.1	0.2	7.4	12.7	5.1	7.6	3	RXEF010	117-5857
60	0.17	0.34	7.4	12.7	5.1	7.6	3	RXEF017	117-5858
72	0.2	0.4	7.4	12.2	5.1	7.6	3	RXEF020	117-5859
72	0.25	0.5	7.4	12.7	5.1	7.6	3	RXEF025	117-5860
72	0.3	0.6	7.4	13	5.1	7.6	3	RXEF030	117-5861
72	0.4	0.8	7.6	13.5	5.1	7.6	3	RXEF040	117-5862
72	0.5	1	7.9	13.7	5.1	7.6	3	RXEF050	117-5864
72	0.65	1.3	9.7	14.5	5.1	7.6	3	RXEF065	117-5867
72	0.75	1.5	10.4	15.2	5.1	7.6	3	RXEF075	117-5868
72	0.9	1.8	11.7	15.7	5.1	7.6	3	RXEF090	117-5869

I_H = Hold current. The maximum current at which the device will not trip at 20°C
I_T = Trip current. The minimum current at which the device will always trip at 20°C

204468

I Hold (A)	Order Code	5+	50+	100+	250+	+	+
0.1	117-5857	32.00	28.00	25.00	22.00	--	--
0.17	117-5858	32.00	28.00	25.00	22.00	--	--
0.2	117-5859	32.00	28.00	25.00	22.00	--	--
0.25	117-5860	32.00	28.00	25.00	22.00	--	--
0.3	117-5861	24.00	22.00	19.00	17.00	--	--
0.4	117-5862	28.00	25.00	22.00	21.00	--	--
0.5	117-5864	25.00	23.00	21.00	19.00	--	--
0.65	117-5867	31.00	28.00	24.00	22.00	--	--
0.75	117-5868	27.00	24.00	22.00	20.00	--	--
0.9	117-5869	28.00	25.00	22.00	20.00	--	--

PolySwitch - RUE Series



Lead dia. 0.51 (24 AWG)
Lead dia. 0.81 (20 AWG)

RUE series of high current resettable fuses designed for applications that require a hold current between 0.9 and 9.0A, and a maximum voltage of 30V

Maximum voltage 30V
Operating temperature -40°C to +85°C
Case meets the requirements of **UL94V-0**
Approved to **CSA**, **TUV**, and **UL** Recognised

Maximum interrupt current 40A
Typical reset time <20s
Max surface temperature 125°C in tripped state