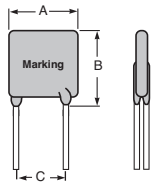
TE PolySwitch Resettable Fuses

DIMENSIONS: mm (in.)

A

RGE300–RGE1400

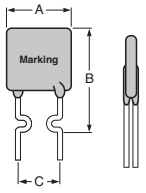


Lead size RGE300-RGE1100 Ø 0.81 (0.032) 20AWG

Lead size RGE1400 Ø 1.0 (0.04) 18AWG

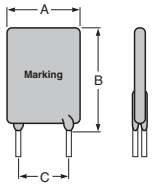
B

RUE090-RUE250



Lead size RUE090-250 Ø 0.51 (0.20) 24AWG

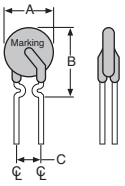
RUE300-RUE900



Lead size RUE300-900 Ø 0.81 (0.032) 20AWG

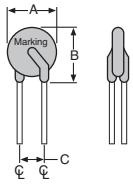
C

RXE010–RXE090



Lead size RXE010-090 Ø 0.51 (0.020) 24AWG

RXE110–RXE375



Lead size RXE110-375 Ø 0.81 (0.032) 20AWG

TE Connectivity resettable fuses utilize a polymer based, positive temperature coefficient (PTC) material to protect electrical circuits against overcurrent conditions. In normal operations, the PTC has many conductive paths and a very low resistance. In overcurrent conditions, the temperature of the polymer material rises. This dramatically reduces the conductive paths resulting in an immediate rise in resistance. In this condition the device provides circuit protection by significantly limiting the flow of current. Once the cause of the initial overcurrent condition is eliminated, the PTC cools down and RESETS to a low resistance value permitting the normal current to resume.

RGE SERIES

This product line can be used in a wide variety of automotive, computer and general electronics applications.
The RGE devices feature high current carrying capability (up to 14 amps) in a small package with fast trip times.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions: mm (in.)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RGEF300	A	16V	3.00	5.10	100	0.038	7.1 (0.28)	11 (0.43)	5.8 (0.23)	.42	.40	.28	.25
650-RGEF500	A	16V	5.00	8.50	100	0.015	10.4 (0.41)	14.3 (0.56)	5.8 (0.23)	.30	.286	.277	.273
650-RGEF600	A	16V	6.00	10.20	100	0.01	10.7 (0.42)	17.1 (0.67)	5.8 (0.23)	.58	.48	.37	.32
650-RGEF700	A	16V	7.00	11.90	100	0.0077	11.2 (0.44)	19.7 (0.78)	5.8 (0.23)	.42	.401	.384	.378
650-RGEF900	A	16V	9.00	15.30	100	0.0047	14 (0.55)	21.7 (0.85)	5.8 (0.23)	.66	.55	.438	.37
650-RGEF1100	A	16V	11.00	18.70	100	0.0037	17.5 (0.69)	26 (1.02)	5.8 (0.23)	.72	.62	.50	.437
650-RGEF1400	A	16V	14.00	23.80	100	0.0026	23.5 (9.25)	27.9 (1.10)	10.9 (0.43)	.72	.677	.606	.60

RUE SERIES

These devices are designed to be used in a wide variety of general electronics applications.
RUE devices complement the RXE line by providing a smaller form factor with lower resistance and higher hold current capability (up to 9 amps).

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions: mm (in.)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RUEF090	B	30V	0.90	1.80	100	0.070	7.4 (0.29)	12.2 (0.48)	5.8 (0.23)	.35	.30	.242	.215
650-RUEF110	B	30V	1.10	2.20	100	0.070	7.4 (0.29)	14.2 (0.56)	5.8 (0.23)	.35	.31	.25	.21
650-RUEF135	B	30V	1.35	2.70	100	0.040	8.9 (0.35)	13.5 (0.53)	5.8 (0.23)	.37	.30	.253	.221
650-RUEF160	B	30V	1.60	3.20	100	0.030	8.9 (0.35)	15.2 (0.60)	5.8 (0.23)	.39	.32	.259	.22
650-RUEF185	B	30V	1.85	3.70	100	0.030	10.2 (0.40)	15.7 (0.62)	5.8 (0.23)	.40	.33	.26	.228
650-RUEF250	B	30V	2.50	5.00	100	0.020	11.4 (0.45)	18.3 (0.72)	5.8 (0.23)	.42	.34	.25	.238
650-RUEF300	B	30V	3.00	6.00	100	0.020	11.4 (0.45)	16.5 (0.65)	5.8 (0.23)	.43	.37	.29	.255
650-RUEF400	B	30V	4.00	8.00	100	0.010	14.0 (0.55)	19.3 (0.76)	5.8 (0.23)	.47	.41	.31	.282
650-RUEF500	B	30V	5.00	10.00	100	0.010	14.0 (0.55)	24.1 (0.95)	10.9 (0.43)	.51	.47	.343	.332
650-RUEF600	B	30V	6.00	12.00	100	0.005	16.5 (0.65)	24.1 (0.95)	10.9 (0.43)	.55	.50	.374	.362
650-RUEF700	B	30V	7.00	14.00	100	0.005	19.1 (0.75)	25.9 (1.02)	10.9 (0.43)	.56	.52	.394	.391
650-RUEF800	B	30V	8.00	16.00	100	0.005	21.6 (0.85)	28.4 (1.12)	10.9 (0.43)	.71	.57	.44	.406
650-RUEF900	B	30V	9.00	18.00	100	0.005	24.1 (0.95)	29.0 (1.14)	10.9 (0.43)	.64	.59	.434	.43

RXE SERIES

These products function as a general-purpose line of resettable fuses and are well suited for power supplies, alarm systems, speakers, motors, and many other applications.
Products range in hold currents from 0.10 amps to 3.75 amps and complement our RUE devices by providing a higher voltage rating.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions: mm (in.)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RXEF005	C	60V	0.05	0.10	40	20.00	8.0 (0.32)	8.3 (3.30)	5.8 (0.23)	.33	.29	.222	.196
650-RXEF010	C	60V	0.10	0.20	40	2.50	7.4 (0.29)	11.6 (0.46)	5.8 (0.23)	.32	.26	.212	.186
650-RXEF017	C	60V	0.17	0.34	40	3.30	7.4 (0.29)	12.7 (0.50)	5.8 (0.23)	.32	.27	.214	.184
650-RXEF020	C	72V	0.20	0.40	40	1.83	7.4 (0.29)	11.7 (0.46)	5.8 (0.23)	.33	.26	.222	.193
650-RXEF025	C	72V	0.25	0.50	40	1.25	7.4 (0.29)	12.7 (0.50)	5.8 (0.23)	.34	.29	.222	.194
650-RXEF030	C	72V	0.30	0.60	40	0.88	7.4 (0.29)	12.7 (0.50)	5.8 (0.23)	.33	.27	.222	.199
650-RXEF040	C	72V	0.40	0.80	40	0.55	7.6 (0.30)	13.5 (0.53)	5.8 (0.23)	.37	.30	.242	.213
650-RXEF050	C	72V	0.50	1.00	40	0.50	7.9 (0.31)	13.7 (0.54)	5.8 (0.23)	.37	.33	.242	.22
650-RXEF065	C	72V	0.65	1.30	40	0.31	9.4 (0.37)	14.5 (0.57)	5.8 (0.23)	.38	.33	.222	.20
650-RXEF075	C	72V	0.75	1.50	40	0.25	10.2 (0.40)	15.2 (0.60)	5.8 (0.23)	.37	.31	.241	.208
650-RXEF090	C	72V	0.90	1.80	40	0.20	11.2 (0.44)	15.8 (0.62)	5.8 (0.23)	.38	.30	.253	.23
650-RXEF110	C	72V	1.10	2.20	40	0.15	12.8 (0.50)	17.5 (0.69)	5.8 (0.23)	.38	.31	.263	.231
650-RXEF135	C	72V	1.35	2.70	40	0.12	14.5 (0.57)	19.1 (0.75)	5.8 (0.23)	.40	.32	.273	.24
650-RXEF160	C	72V	1.60	3.20	40	0.09	16.3 (0.64)	20.8 (0.82)	5.8 (0.23)	.41	.33	.273	.257
650-RXEF185	C	72V	1.85	3.70	40	0.08	17.5 (0.69)	22.4 (0.88)	5.8 (0.23)	.44	.35	.293	.265
650-RXEF250	C	72V	2.50	5.00	40	0.05	20.8 (0.82)	25.4 (1.00)	10.9 (0.43)	.49	.39	.333	.327
650-RXEF300	C	72V	3.00	6.00	40	0.04	23.9 (0.94)	28.6 (1.13)	10.9 (0.43)	.53	.42	.354	.35
650-RXEF375	C	72V	3.75	7.50	40	0.03	27.2 (1.07)	31.8 (1.25)	10.9 (0.43)	.73	.58	.47	.424

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