



CONQUER

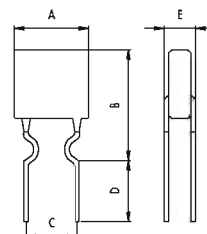
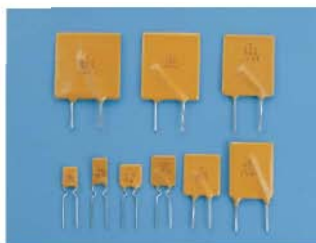
Resettable Fuses

Type R30 Series



Polymeric Positive Temperature Coefficient

(PPTC)



Approvals

UL Recognized	0.9A~9A
TUV	0.9A~9A
CSA	0.9A~9A

Agency File Numbers

UL E201504,
CSA 216999
TUV B 02 11 43486

Electrical Characteristics

Operating/Storage Temperature

-40°C to +85°C

Maximum Device Surface Temperature

In Tripped State 125°C

Passive Aging

+85°C, 1000Hours, ±5% Typical Resistance Change

Humidity Aging

+85°C, 85%R.H., 1000Hours, ±5% Typical Resistance Change

Thermal Shock:

+85°C to -40°C, 20 times, ±10% Typical Resistance Change

10 Times, ±5% Typical Resistance Change

Vibration

MIL-STD-202, Method 201, 1 No Change

Electrical Properties

Modle	I _{hold} (A)	I _{trip} (A)	V _{max} (Vdc)	I _{max} (A)	P _d Typ. (W)	Maximum Time To Trip		Resistance		
						Current (A)	Time (Sec)	R _{imin} (Ω)	R _{imax} (Ω)	R _{1max} (Ω)
R30-090	0.90	1.80	30	40	0.6	4.50	5.9	0.070	0.145	0.220
R30-110	1.10	2.20	30	40	0.7	5.50	6.6	0.050	0.120	0.170
R30-135	1.35	2.70	30	40	0.8	6.75	7.3	0.040	0.085	0.130
R30-160	1.60	3.20	30	40	0.9	8.00	8.0	0.030	0.070	0.110
R30-185	1.85	3.70	30	40	1.0	9.25	8.7	0.030	0.060	0.090
R30-250	2.50	5.00	30	40	1.2	12.5	10.3	0.020	0.040	0.070
R30-300	3.00	6.00	30	40	2.0	15.0	10.8	0.020	0.050	0.080
R30-400	4.00	8.00	30	40	2.5	20.0	12.7	0.010	0.030	0.050
R30-500	5.00	10.00	30	40	3.0	25.0	14.5	0.010	0.030	0.050
R30-600	6.00	12.00	30	40	3.5	30.0	16.0	0.005	0.020	0.040
R30-700	7.00	14.00	30	40	3.8	35.0	17.5	0.005	0.020	0.030
R30-800	8.00	16.00	30	40	4.0	40.0	18.8	0.005	0.020	0.020
R30-900	9.00	18.00	30	40	4.2	40.0	20.0	0.005	0.010	0.020

I_{hold} = Hold Current : maximum current device will sustain for 4 hours without tripping in 25°C still air.

I_{trip} = Trip Current : minimum current at which the device will trip in 25°C still air.

V_{max} = Maximum voltage device can withstand without damage at rated current (I_{max}).

I_{max} = Maximum fault current device can withstand without damage at rated voltage (V_{max}).

P_d = Power dissipated from device when in the tripped state at 25°C still air.

R_{imin}/max = Minimum/Maximum resistance of device in initial (un-soldered) state.

R_{1max} = Maximum resistance of device at 25°C measured one hour after tripping.

CAUTION : Operation beyond the specified ratings may result in damage and possible arcing and flame.

Physical Dimensions (Unit: mm/inch)

Modle	A Max.	B Max.	C Typ.	D Min.	E Max.	F Max.	Lead Style
R30-090	7.4/0.29	12.2/0.48	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Kink
R30-110	7.4/0.29	14.2/0.56	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Kink
R30-135	8.9/0.35	13.5/0.53	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Kink
R30-160	8.9/0.35	15.2/0.60	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Kink
R30-185	10.2/0.40	15.7/0.62	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Kink
R30-250	11.4/0.45	18.3/0.72	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Kink
R30-300	11.4/0.45	17.3/0.68	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Straight
R30-400	14.0/0.55	20.1/0.79	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Straight
R30-500	14.0/0.55	24.9/0.98	10.2/0.40	7.6/0.3	3.0/0.12	1.2/0.05	Straight
R30-600	16.5/0.65	24.9/0.98	10.2/0.40	7.6/0.3	3.0/0.12	1.2/0.05	Straight
R30-700	19.1/0.75	26.7/1.05	10.2/0.40	7.6/0.3	3.0/0.12	2.0/0.08	Straight
R30-800	21.6/0.85	29.2/1.15	10.2/0.40	7.6/0.3	3.0/0.12	2.0/0.08	Straight
R30-900	24.1/0.95	29.7/1.17	10.2/0.40	7.6/0.3	3.0/0.12	2.0/0.08	Straight

Physical Characteristics

Materials

R30V090-250: Tin Plated Copper-Clad Steel, 0.205mm² (24AWG),
Ø0.51mm (0.020 in).

R30V250-900: Tin Plated Copper, 0.52mm² (20AWG), Ø0.81mm (0.032 in).

Packaging

In Bulk: 500 pcs per box.

On Tap: Ammo pack

R30-090~R30-250

R30-300~R30-400

3000 PCS

1500 PCS