

**Features**

- ◆ Radial Leaded Devices
- ◆ Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirements
- ◆ Bulk Package in tape/ reel is available for most models

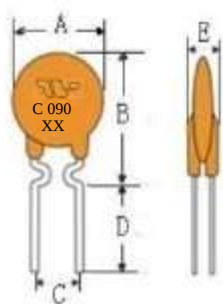
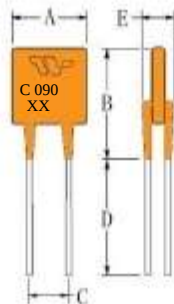
Applications

for a low voltage power supply which is up to 60/72V and a load for circuit protection, such as

- ◆ PC
- ◆ Toys
- ◆ Industrial controls

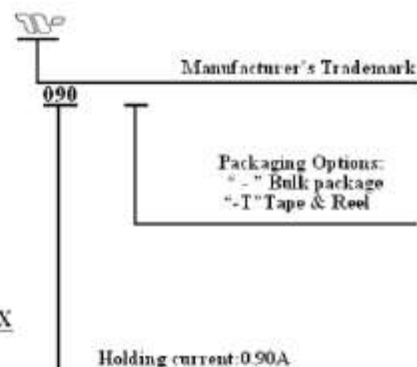
Electrical Characteristics

P/N	I _H (A)	I _r (A)	V _{max} (V)	I _{max} (A)	Time To Trip		P _{d typ} (W)	R _{min} (Ω)	R _{max} (Ω)	R _{1max} (Ω)
					(A)	(Sec.)				
TRC005	0.05	0.15	60	40	0.25	5.0	0.22	7.30	11.10	25.00
TRC010	0.10	0.20	60	40	0.50	4.0	0.38	2.30	8.10	12.0
TRC017	0.17	0.34	60/72	40	0.85	3.0	0.48	2.00	5.21	8.00
TRC020	0.20	0.40	60/72	40	1.00	2.2	0.40	1.30	2.84	4.50
TRC025	0.25	0.50	60/72	40	1.25	2.5	0.45	0.90	1.95	3.00
TRC030	0.30	0.60	60/72	40	1.50	3.0	0.50	0.70	1.36	2.10
TRC040	0.40	0.80	60/72	40	2.00	3.8	0.55	0.48	0.95	1.40
TRC050	0.50	1.00	60/72	40	2.50	4.0	0.75	0.38	0.78	1.20
TRC065	0.65	1.30	60/72	40	3.25	5.3	0.90	0.24	0.54	0.74
TRC075	0.75	1.50	60/72	40	3.75	6.3	0.90	0.23	0.45	0.62
TRC090	0.90	1.80	60/72	40	4.50	7.2	1.00	0.14	0.31	0.49
TRC110	1.10	2.20	60/72	40	5.50	8.2	1.50	0.15	0.25	0.40
TRC135	1.35	2.70	60/72	40	6.75	9.6	1.70	0.12	0.19	0.32
TRC160	1.60	3.20	60/72	40	8.00	11.4	1.90	0.09	0.14	0.24
TRC185	1.85	3.70	60/72	40	9.25	12.6	2.10	0.08	0.12	0.21
TRC250	2.50	5.00	60/72	40	12.50	15.6	2.50	0.05	0.08	0.15
TRC300	3.00	6.00	60/72	40	15.00	19.8	2.80	0.04	0.06	0.12
TRC375	3.75	7.50	60/72	40	18.75	24.0	3.20	0.03	0.05	0.10
TRC500	5.0	10.0	60/72	40	25.0	24.0	3.2	0.02	0.05	0.100

Product Dimensions & Marking (Unit: mm)**Style1****Style2**

Max. working voltage:
 A=16V
 B=30V
 C=60/72V
 E=90/120V
 F=250V
 G=600V
 M=240V

Lot No



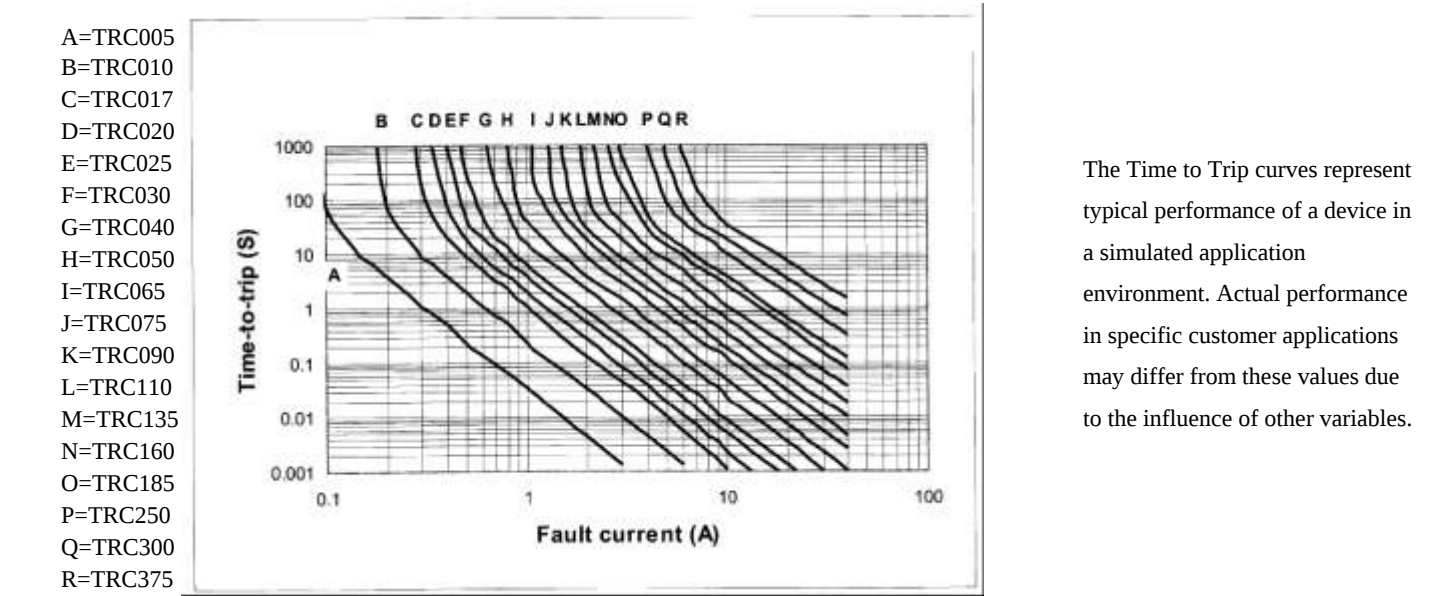
P/N	A	B	C	D	E	Physical Characteristics		
	Max.	Max.	Typ.	Min.	Max.	Style	Lead Φ mm	Material
TRC005	7.4	12.7	5.1	7.6	3.1	1	0.51	CP
TRC010	7.4	12.7	5.1	7.6	3.1	1	0.51	CP

P/N	A	B	C	D	E	Physical Characteristics		
	Max.	Max.	Typ.	Min.	Max.	Style	Lead Φ mm	Material
TRC017	7.4	12.7	5.1	7.6	3.1	1	0.51	CP
TRC020	7.4	12.7	5.1	7.6	3.1	1	0.51	CP
TRC025	7.4	12.7	5.1	7.6	3.1	1	0.51	CP
TRC030	7.4	13.4	5.1	7.6	3.1	1	0.51	CP
TRC040	9.7	14.5	5.1	7.6	3.1	1	0.51	CP
TRC050	9.7	15.2	5.1	7.6	3.1	1	0.61	Cu
TRC065	9.7	15.2	5.1	7.6	3.1	1	0.61	Cu
TRC075	10.4	16.0	5.1	7.6	3.1	1	0.61	Cu
TRC090	11.7	16.7	5.1	7.6	3.1	1	0.61	Cu
TRC110	13.0	18.0	5.1	7.6	3.1	2	0.81	Cu
TRC135	14.5	19.6	5.1	7.6	3.1	2	0.81	Cu
TRC160	16.3	21.3	5.1	7.6	3.1	2	0.81	Cu
TRC185	17.8	22.9	5.1	7.6	3.1	2	0.81	Cu
TRC250	21.3	26.4	10.2	7.6	3.1	2	0.81	Cu
TRC300	24.9	30.0	10.2	7.6	3.1	2	0.81	Cu
TRC375	28.4	33.5	10.2	7.6	3.1	2	0.81	Cu
TRC500	28.4	33.5	10.2	7.6	3.1	2	0.81	Cu

Thermal Derating Chart – I_{hold} (Amps)

P/N	Ambient Operating Temperature								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
TRC005	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02
TRC010	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.04
TRC017	0.26	0.23	0.20	0.17	0.14	0.12	0.11	0.09	0.07
TRC020	0.31	0.27	0.24	0.20	0.16	0.14	0.13	0.11	0.08
TRC025	0.39	0.34	0.30	0.25	0.20	0.18	0.16	0.14	0.10
TRC030	0.47	0.41	0.36	0.30	0.24	0.22	0.19	0.16	0.12
TRC040	0.62	0.54	0.48	0.40	0.32	0.29	0.25	0.22	0.16
TRC050	0.78	0.68	0.60	0.50	0.41	0.36	0.32	0.27	0.20
TRC065	1.01	0.88	0.77	0.65	0.53	0.47	0.41	0.35	0.26
TRC075	1.16	1.02	0.89	0.75	0.61	0.54	0.47	0.41	0.30
TRC090	1.40	1.22	1.07	0.90	0.73	0.65	0.57	0.49	0.36
TRC110	1.71	1.50	1.31	1.10	0.89	0.79	0.69	0.59	0.44
TRC135	2.09	1.84	1.61	1.35	1.09	0.97	0.85	0.73	0.54
TRC160	2.48	2.18	1.90	1.60	1.30	1.15	1.01	0.86	0.64
TRC185	2.87	2.52	2.20	1.85	1.50	1.33	1.17	1.00	0.74
TRC250	3.88	3.40	2.98	2.50	2.03	1.80	1.58	1.35	1.00
TRC300	4.65	4.08	3.57	3.00	2.43	2.16	1.89	1.62	1.20
TRC375	5.81	5.10	4.46	3.75	3.04	2.70	2.36	2.03	1.50
TRC500	7.75	6.80	5.95	5.00	4.05	3.60	3.15	2.71	2.00

Typical time to trip at 25°C



Agency Approvals

- Agency Approvals: TUV
- Regulation/Standard: RoHS, Reach, HF

Standard Packaging Information

Model	Q'ty/bag
TRC005-TRC090	1000 pcs
TRC110-TRC185	500 pcs
TRC250-TRC500	200 pcs

- Tape and Reel Specifications

Devices taped using EIA468–B/IEC286-2 standards.