

**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

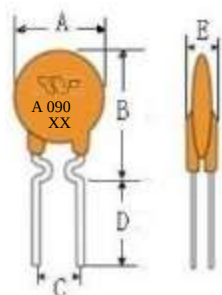
Applications

- ◆ for a low voltage power supply which is up to 16V and a load for circuit protection, such as
- ◆ PC
- ◆ Toys
- ◆ Medical electronics
- ◆ Personal care product

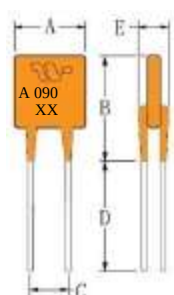
Electrical Characteristics

P/N	I _H (A)	I _T (A)	V _{max} (V)	I _{max} (A)	Time to Trip		Pd _{typ} (W)	R _{min} (Ω)	R _{max} (Ω)	R1 _{max} (Ω)
					(A)	(Sec.)				
TRA010	0.10	0.20	16	40	0.50	4.0	0.35	2.00	4.50	6.70
TRA017	0.17	0.34	16	40	0.85	3.0	0.36	0.980	1.800	2.700
TRA020	0.20	0.40	16	40	1.00	3.0	0.36	0.780	1.600	2.200
TRA025	0.25	0.50	16	40	1.25	3.0	0.36	0.500	1.100	1.650
TRA030	0.30	0.60	16	40	1.50	3.0	0.36	0.350	0.700	1.050
TRA040	0.40	0.80	16	40	2.00	3.0	0.40	0.230	0.650	0.970
TRA050	0.50	1.00	16	40	2.50	3.0	0.45	0.170	0.400	0.810
TRA065	0.65	1.30	16	40	3.25	3.0	0.45	0.110	0.300	0.450
TRA075	0.75	1.50	16	40	3.75	3.0	0.54	0.080	0.230	0.260
TRA090	0.90	1.80	16	40	4.50	3.2	0.54	0.070	0.180	0.210
TRA110	1.10	2.20	16	40	5.50	4.0	0.54	0.045	0.140	0.170
TRA120	1.20	2.40	16	40	6.00	4.0	0.54	0.040	0.120	0.160
TRA135	1.35	2.70	16	40	6.75	4.0	0.54	0.035	0.100	0.140
TRA160	1.60	3.20	16	40	8.00	4.5	0.54	0.030	0.100	0.110
TRA185	1.85	3.70	16	40	9.25	4.5	0.54	0.030	0.080	0.100
TRA200	2.00	4.00	16	40	10.0	5.0	0.90	0.020	0.065	0.090
TRA250	2.50	5.00	16	40	12.5	5.0	0.90	0.015	0.050	0.070
TRA300	3.00	6.00	16	40	15.0	4.0	0.90	0.010	0.040	0.055
TRA400	4.00	8.00	16	40	20.0	3.0	1.35	0.010	0.030	0.045
TRA500	5.0	10.0	16	100	25.0	5.0	2.6	0.009	0.027	0.033
TRA600	6.0	12.0	16	100	30.0	7.0	2.8	0.007	0.021	0.031
TRA700	7.0	14.0	16	100	35.0	8.0	3.0	0.006	0.015	0.020
TRA800	8.0	16.0	16	100	40.0	9.0	3.0	0.004	0.013	0.018
TRA900	9.0	18.0	16	100	45.0	12.0	3.3	0.003	0.012	0.016
TRA1000	10.0	20.0	16	100	50.0	12.5	3.7	0.002	0.011	0.015
TRA1100	11.0	22.0	16	100	55.0	13.5	3.7	0.002	0.010	0.013
TRA1200	12.0	24.0	16	100	60.0	15.0	4.2	0.002	0.009	0.012
TRA1300	13.0	26.0	16	100	65.0	18.0	4.2	0.002	0.008	0.011
TRA1400	14.0	28.0	16	100	70.0	20.0	4.2	0.002	0.008	0.011

Product Dimensions & Marking (Unit: mm)



Style1

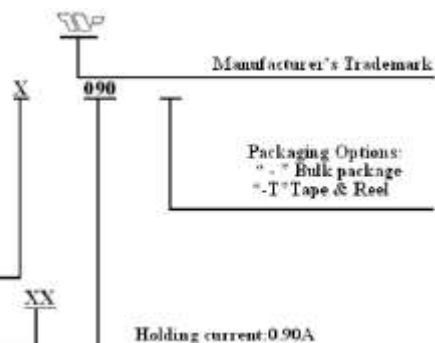


Style2

Max. working voltage:

A=16V
B=30V
C=60/72V
E=90/120V
F=250V
G=600V
M=240V

Lot No

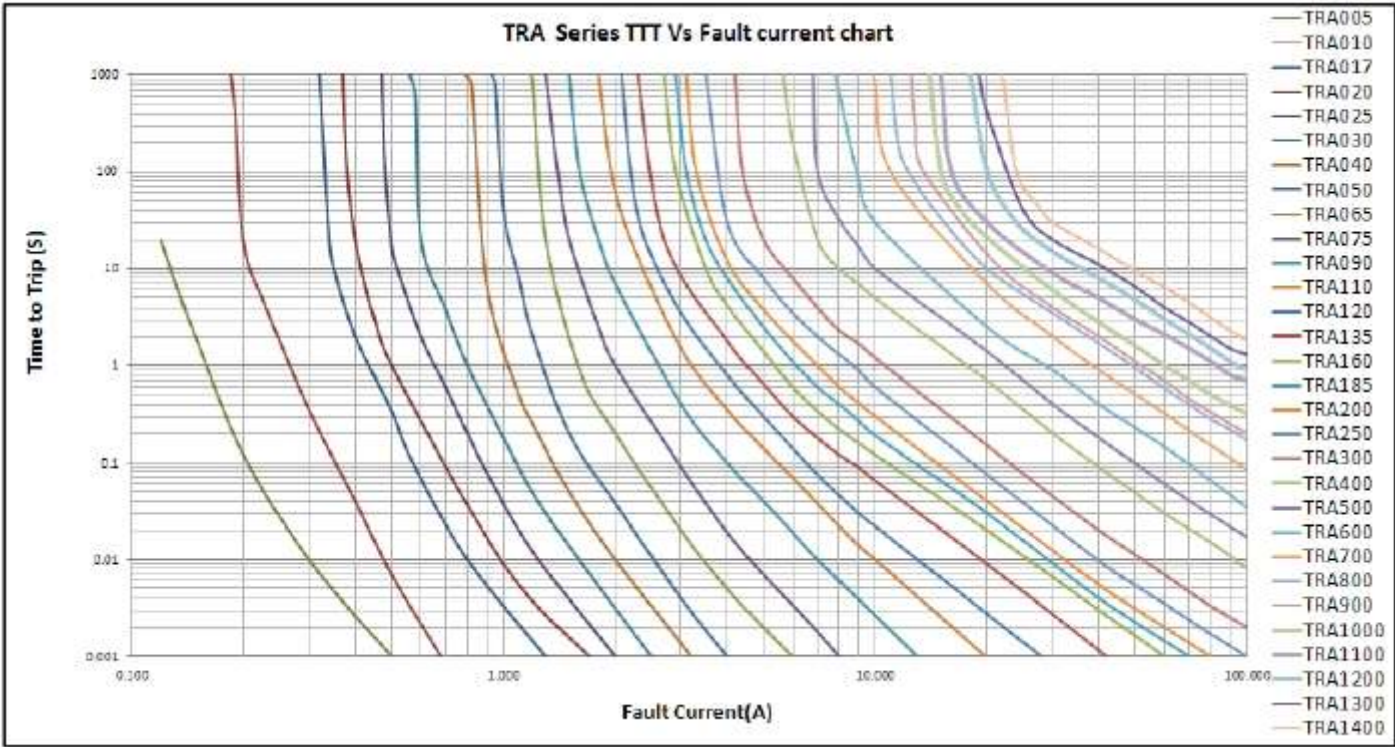


P/N	A	B	C	D	E	Physical Characteristics		
	Max.	Max.	Typ.	Min.	Max.	Style	Lead Φ mm	Material
TRA005	5.7	10.5	5.1	7.6	3.1	1	0.50	CP
TRA010	5.7	10.5	5.1	7.6	3.1	1	0.50	CP
TRA017	5.7	10.5	5.1	7.6	3.1	1	0.50	CP
TRA020	5.7	10.5	5.1	7.6	3.1	1	0.50	CP
TRA025	5.7	10.5	5.1	7.6	3.1	1	0.50	CP
TRA030	5.7	10.5	5.1	7.6	3.1	1	0.50	CP
TRA040	5.7	10.5	5.1	7.6	3.1	1	0.50	CP
TRA050	5.7	10.5	5.1	7.6	3.1	1	0.50	CP
TRA065	6.5	13.2	5.1	7.6	3.1	1	0.50	CP
TRA075	6.5	13.2	5.1	7.6	3.1	1	0.50	CP
TRA090	7.4	13.0	5.1	7.6	3.1	1	0.50	CP
TRA110	7.4	13.0	5.1	7.6	3.1	1	0.50	CP
TRA120	7.4	13.0	5.1	7.6	3.1	1	0.50	CP
TRA135	9.4	14.5	5.1	7.6	3.1	1	0.50	CP
TRA160	9.4	14.5	5.1	7.6	3.1	1	0.50	CP
TRA185	9.4	14.5	5.1	7.6	3.1	1	0.50	CP
TRA200	10.7	16.7	5.1	7.6	3.1	1	0.60	CU
TRA250	10.7	16.7	5.1	7.6	3.1	1	0.60	CU
TRA300	10.7	16.7	5.1	7.6	3.1	1	0.60	CU
TRA400	11.5	17.9	5.1	7.6	3.1	1	0.60	CU
TRA500	13.0	18.3	5.1	7.6	3.1	2	0.80	CU
TRA600	13.0	18.3	5.1	7.6	3.1	2	0.80	CU
TRA700	16.3	21.3	5.1	7.6	3.1	2	0.80	CU
TRA800	17.8	22.9	5.1	7.6	3.1	2	0.80	CU
TRA900	21.3	26.4	5.1	7.6	3.1	2	0.80	CU
TRA1000	21.3	26.4	5.1	7.6	3.1	2	0.80	CU
TRA1100	20.8	29.8	10.2	7.6	3.1	2	0.80	CU
TRA1200	20.8	29.8	10.2	7.6	3.1	2	0.80	CU
TRA1300	24.2	32.9	10.2	7.6	3.1	2	0.80	CU
TRA1400	24.2	32.9	10.2	7.6	3.1	2	0.80	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
TRA005	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02
TRA010	0.17	0.15	0.13	0.10	0.07	0.06	0.05	0.04	0.03
TRA017	0.27	0.24	0.21	0.17	0.14	0.12	0.09	0.07	0.05
TRA020	0.32	0.28	0.25	0.20	0.16	0.14	0.12	0.10	0.07
TRA025	0.40	0.34	0.29	0.25	0.20	0.17	0.15	0.13	0.09
TRA030	0.47	0.41	0.36	0.30	0.24	0.21	0.18	0.14	0.10
TRA040	0.62	0.53	0.46	0.40	0.31	0.28	0.23	0.20	0.16
TRA050	0.77	0.67	0.58	0.50	0.40	0.34	0.30	0.25	0.19
TRA065	1.00	0.87	0.75	0.65	0.51	0.45	0.40	0.34	0.22
TRA075	1.04	0.94	0.83	0.75	0.61	0.54	0.46	0.41	0.29
TRA090	1.39	1.22	1.07	0.90	0.72	0.63	0.53	0.45	0.33
TRA110	1.61	1.43	1.24	1.10	0.89	0.83	0.74	0.66	0.56
TRA120	1.76	1.56	1.35	1.20	0.97	0.91	0.81	0.72	0.61
TRA135	1.98	1.75	1.54	1.35	1.08	1.01	0.89	0.78	0.67
TRA160	2.30	2.06	1.82	1.60	1.33	1.20	1.05	0.96	0.78
TRA185	2.68	2.41	2.13	1.85	1.53	1.40	1.23	1.13	0.93
TRA200	3.14	2.70	2.28	2.00	1.80	1.72	1.34	1.23	1.03
TRA250	3.63	3.25	2.88	2.50	2.08	1.93	1.70	1.53	1.30
TRA300	4.34	3.87	3.42	3.00	2.49	2.28	2.02	1.82	1.52
TRA400	5.78	5.15	4.58	4.00	3.28	3.04	2.68	2.42	2.07
TRA500	7.23	6.44	5.73	5.00	4.10	3.80	3.35	3.03	2.59
TRA600	10.12	9.01	8.02	7.00	5.74	5.32	5.25	4.24	3.62
TRA700	10.12	9.01	8.02	7.00	5.74	5.32	5.25	4.24	3.62
TRA800	11.56	10.30	9.16	8.00	6.56	6.08	5.36	4.84	4.14
TRA900	13.00	11.58	10.30	9.00	7.38	6.84	5.36	4.84	4.14
TRA1000	14.45	12.88	11.45	10.00	8.20	7.60	6.70	6.05	5.18
TRA1100	15.89	14.16	12.60	11.0	9.02	8.36	7.37	6.66	5.69
TRA1200	17.34	15.45	13.74	12.00	9.84	9.12	8.04	7.26	6.21
TRA1300	18.79	16.74	14.89	13.00	12.66	9.88	8.71	7.87	6.73
TRA1400	20.23	18.03	16.03	14.00	15.31	10.64	9.38	8.47	7.25

Typical time to trip at 25°C



Agency Approvals

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

Standard Packaging Information

Model	Q'ty/bag
TRA005-TRA500	1000 pcs
TRA600-TRA800	500 pcs
TRA900-TRA1400	200 pcs

- Tape and Reel Specifications
- Devices taped using EIA468-B/IEC286-2 standards.