

**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

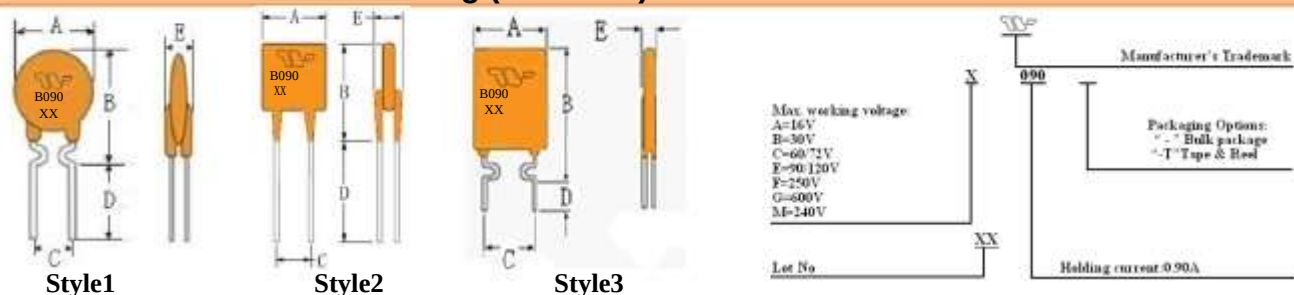
Applications

for a low voltage power supply which is up to 30V and a load for circuit protection, such as

- ◆ PC
- ◆ Toys
- ◆ Industrial controls

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.)				
TRB090	0.90	1.80	30	40	4.50	5.9	0.60	0.090	0.230	0.300
TRB110	1.10	2.20	30	40	5.50	6.6	0.70	0.060	0.160	0.260
TRB120	1.20	2.40	30	40	6.00	6.5	0.70	0.050	0.115	0.255
TRB135	1.35	2.70	30	40	6.75	7.3	0.80	0.040	0.095	0.170
TRB160	1.60	3.2	30	40	8.00	8.0	0.90	0.030	0.095	0.160
TRB185	1.85	3.7	30	40	9.25	8.7	1.00	0.030	0.070	0.110
TRB250	2.50	5.0	30	40	12.5	10.3	1.20	0.020	0.048	0.072
TRB300	3.00	6.00	30	40	15.0	10.8	2.00	0.015	0.050	0.075
TRB400	4.00	8.00	30	40	20.0	12.7	2.50	0.010	0.030	0.045
TRB500	5.00	10.00	30	40	25.0	14.5	3.00	0.008	0.025	0.045
TRB600	6.00	12.00	30	100	30.0	16.0	3.50	0.005	0.020	0.030
TRB700	7.00	14.00	30	100	35.0	17.5	3.80	0.003	0.016	0.025
TRB800	8.00	16.00	30	100	40.0	18.8	4.00	0.004	0.015	0.023
TRB900	9.00	18.00	30	100	40.0	20.0	4.00	0.004	0.010	0.015

Product Dimensions & Marking (Unit: mm)

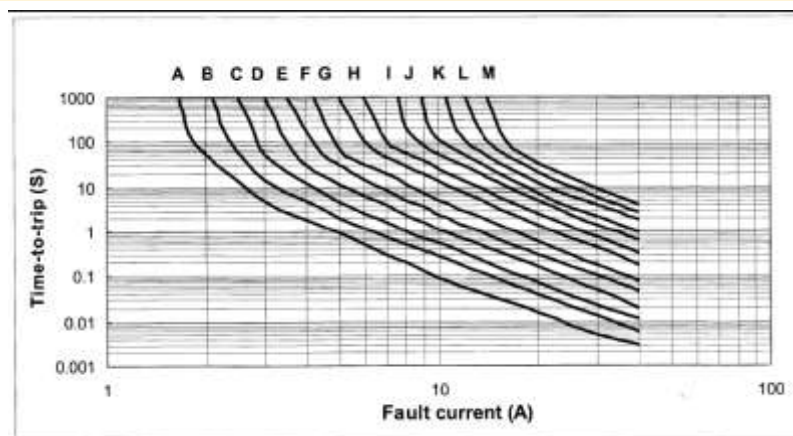
P/N	A	B	C	D	E	Physical Characteristics		
	Max.	Max.	Typ.	Min.	Max.	Style	Lead Φ mm	Material
TRB090	7.4	14.0	5.1	7.6	3.1	3	0.50	CP
TRB110	10.7	16.7	5.1	7.6	3.1	1	0.50	CP
TRB120	10.7	16.7	5.1	7.6	3.1	1	0.50	CP
TRB135	10.7	16.7	5.1	7.6	3.1	1	0.50	CP
TRB160	11.0	16.8	5.1	7.6	3.1	1	0.60	CU
TRB185	11.5	17.9	5.1	7.6	3.1	1	0.60	CU
TRB250	13.0	18.3	5.1	7.6	3.1	2	0.60	CU
TRB300	13.0	18.3	5.1	7.6	3.1	2	0.81	CU
TRB400	16.4	24.8	5.1	7.6	3.1	2	0.81	CU
TRB500	21.3	26.4	10.2	7.6	3.1	2	0.81	CU
TRB600	20.8	29.8	10.2	7.6	3.1	2	0.81	CU
TRB700	20.8	29.8	10.2	7.6	3.1	2	0.81	CU
TRB800	24.2	32.9	10.2	7.6	3.1	2	0.81	CU
TRB900	24.2	32.9	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
TRB090	1.40	1.22	1.07	0.90	0.73	0.65	0.57	0.49	0.36
TRB110	1.60	1.43	1.27	1.10	0.91	0.85	0.75	0.67	0.57
TRB120	1.75	1.56	1.39	1.20	0.99	0.93	0.82	0.73	0.62
TRB135	1.96	1.76	1.55	1.35	1.12	1.04	0.92	0.82	0.70
TRB160	2.32	2.08	1.84	1.60	1.33	1.23	1.09	0.98	0.83
TRB185	2.68	2.41	2.13	1.85	1.54	1.42	1.26	1.13	0.96
TRB250	3.63	3.25	2.88	2.50	2.08	1.93	1.70	1.53	1.30
TRB300	4.35	3.90	3.45	3.00	2.49	2.31	2.04	1.83	1.56
TRB400	5.80	5.20	4.60	4.00	3.32	3.08	2.72	2.44	2.08
TRB500	7.25	6.50	5.75	5.00	4.15	3.85	3.40	3.05	2.60
TRB600	8.70	7.80	6.90	6.00	4.98	4.62	4.08	3.66	3.12
TRB700	10.10	9.10	8.05	7.00	5.81	5.39	4.76	4.27	3.64
TRB800	11.60	10.40	9.20	8.00	6.64	6.16	5.44	4.88	4.16
TRB900	13.00	11.70	10.30	9.00	7.47	6.93	6.12	5.49	4.68

Typical time to trip at 25°C

A=TRB090
 B=TRB110
 C=TRB135
 D=TRB160
 E=TRB185
 F=TRB250
 G=TRB300
 H=TRB400
 I=TRB500
 J=TRB600
 K=TRB700
 L=TRB800
 M=TRB900



The Time to Trip curves represent typical performance of a device in a simulated application environment. Actual performance in specific customer applications may differ from these values due to the influence of other variables.

Agency Approvals

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

Standard Package Information

Model	Q'ty/bag
TRB090-TRB185	1000 pcs
TRB250-TRB400	500 pcs
TRB500-TRB900	200 pcs

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