

III- TRC(60/72V) Series

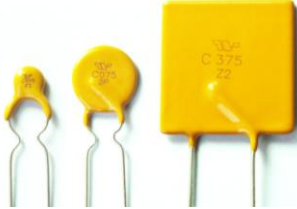
Features

- ◆ Radial Leaded Devices
- ◆ Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirements
- ◆ Bulk Package, or tape and reel available on most models
- ◆ Agency recognition: On approval

Applications

Almost anywhere there is a low voltage power supply, up to 60V and a load to be protected, including:

- ◆ Personal computer
- ◆ Toys
- ◆ Industrial controls

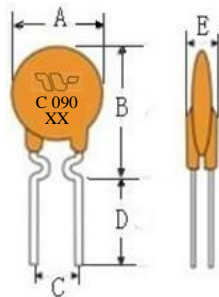


Electrical Characteristics (电气特性):

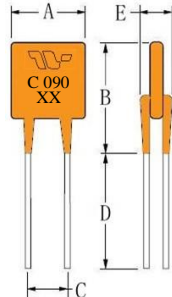
P/N	保持电流	跳脱电流	最大电压	最大电流	最大动作时间		消耗功率 Pd _{typ} (W)	电阻范围(Ω)		
	I _H (A)	I _T (A)	V _{max} (V)	I _{max} (A)	(A)	(Sec.)		R _{min}	R _{max}	R1 _{max}
TRC005	0.05	0.15	60	40	0.25	5.0	0.22	7.30	11.10	25.00
TRC010	0.10	0.20	60	40	0.50	4.0	0.38	2.30	8.10	12.0
TRC017	0.17	0.34	60/72	40	0.85	3.0	0.48	2.00	5.21	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

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Product Dimensions & Marking (Unit: mm) (产品尺寸) :



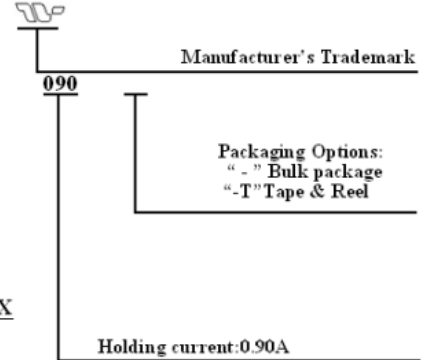
Style1



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(物理特性)		
	Max.(最大)	Max.(最大)	Typ.(标准)	Min.(最小)	Max.(最大)	Style(样式)	Lead Φ mm	Material(材料)
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
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

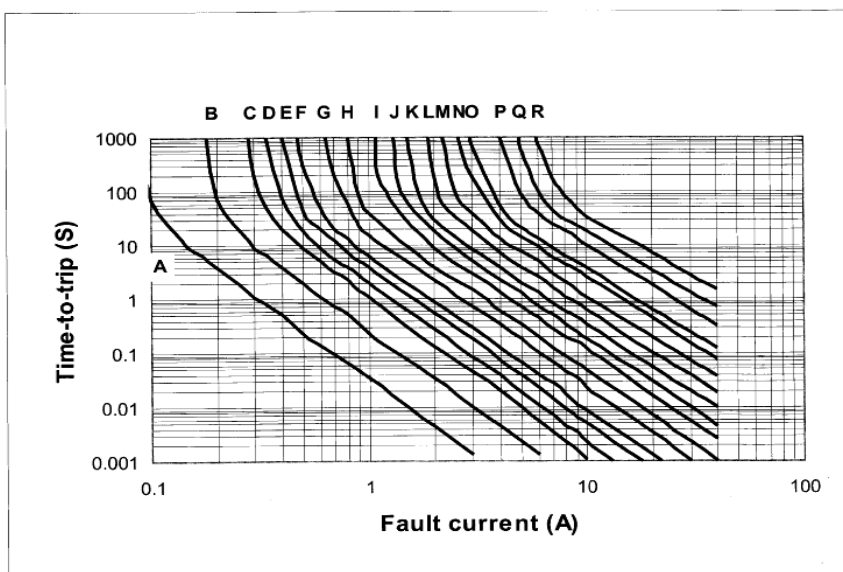
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Thermal Derating Chart – I_{hold} (Amps) (环境温度与工作电流关系特性曲线)

P/N	Ambient Operating Temperature(工作环境温度)								
	-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 (25°C下的动作保护时间曲线表):

- A=TRC005
- B=TRC010
- C=TRC017
- D=TRC020
- E=TRC025
- F=TRC030
- G=TRC040
- H=TRC050
- I=TRC065
- J=TRC075
- K=TRC090
- L=TRC110
- M=TRC135
- N=TRC160
- O=TRC185
- P=TRC250
- Q=TRC300
- R=TRC375



Agency Approvals (安规认证):

- Agency Approvals: UL、CSA、TUV
- Regulation/Standard: RoHS 2.0(2011/65/CE)

Package information (包装信息):

Model

Q'ty/bag

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TRC005-TRC090	1000 pcs
TRC110-TRC185	500 pcs
TRC250-TRC500	200 pcs

- Tape and Reel Specifications

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