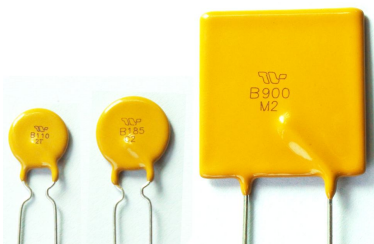


## W30V Series



### 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

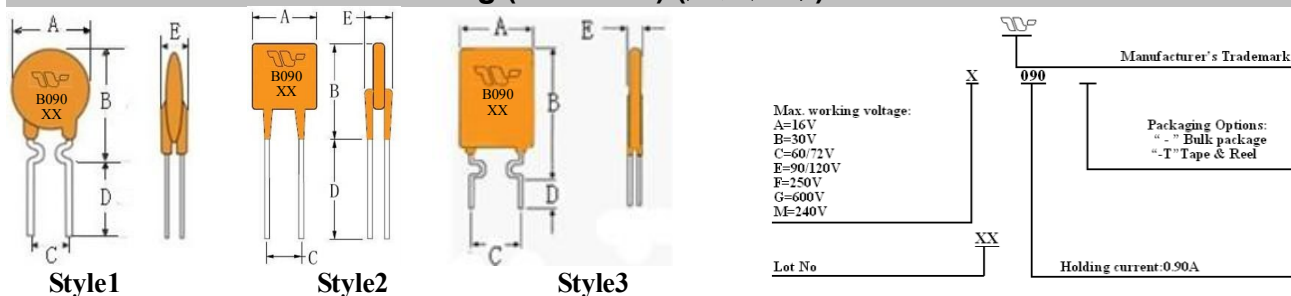
### Applications

- Almost anywhere there is a low voltage power supply, up to 30V 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	电阻范围(Ω)		
	$I_H$ (A)	$I_T$ (A)	$V_{max}$ (V)	$I_{max}$ (A)	(A)	(Sec.)	$P_{d\ typ}$ (W)	$R_{min}$	$R_{max}$	$R1_{max}$
W30-090	0.90	1.80	30	40	4.50	5.9	0.60	0.090	0.230	0.300
W30-110	1.10	2.20	30	40	5.50	6.6	0.70	0.060	0.160	0.260
W30-120	1.20	2.40	30	40	6.00	6.5	0.70	0.050	0.115	0.255
W30-135	1.35	2.70	30	40	6.75	7.3	0.80	0.040	0.095	0.170
W30-160	1.60	3.2	30	40	8.00	8.0	0.90	0.030	0.095	0.160
W30-185	1.85	3.7	30	40	9.25	8.7	1.00	0.030	0.070	0.110
W30-250	2.50	5.0	30	40	12.5	10.3	1.20	0.020	0.048	0.072
W30-300	3.00	6.00	30	40	15.0	10.8	2.00	0.015	0.050	0.075
W30-400	4.00	8.00	30	40	20.0	12.7	2.50	0.010	0.030	0.045
W30-500	5.00	10.00	30	40	25.0	14.5	3.00	0.008	0.025	0.045
W30-600	6.00	12.00	30	40	30.0	16.0	3.50	0.005	0.020	0.030
W30-700	7.00	14.00	30	40	35.0	17.5	3.80	0.003	0.016	0.025
W30-800	8.00	16.00	30	40	40.0	18.8	4.00	0.004	0.015	0.023
W30-900	9.00	18.00	30	40	40.0	20.0	4.00	0.004	0.010	0.015

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



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 $\Phi$ mm	Material(材料)
W30-090	7.4	12.2	5.1	7.6	3.1	3	0.50	CP
W30-110	10.7	16.7	5.1	7.6	3.1	1	0.50	CP
W30-120	10.7	16.7	5.1	7.6	3.1	1	0.50	CP
W30-135	10.7	16.7	5.1	7.6	3.1	1	0.50	CP
W30-160	11.0	16.8	5.1	7.6	3.1	1	0.60	CU
W30-185	11.5	17.9	5.1	7.6	3.1	1	0.60	CU
W30-250	13.0	18.3	5.1	7.6	3.1	2	0.60	CU
W30-300	13.0	18.3	5.1	7.6	3.1	2	0.81	CU
W30-400	16.4	24.8	5.1	7.6	3.1	2	0.81	CU
W30-500	21.3	26.4	10.2	7.6	3.1	2	0.81	CU
W30-600	20.8	29.8	10.2	7.6	3.1	2	0.81	CU
W30-700	20.8	29.8	10.2	7.6	3.1	2	0.81	CU
W30-800	24.2	32.9	10.2	7.6	3.1	2	0.81	CU
W30-900	24.2	32.9	10.2	7.6	3.1	2	0.81	CU

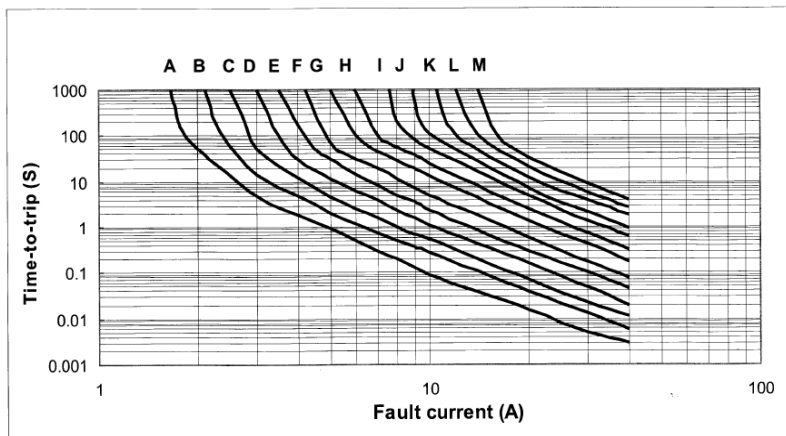
**Thermal Derating Chart – I<sub>hold</sub> (Amps) (环境温度与工作电流关系特性曲线)**

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
W30-090	1.40	1.22	1.07	0.90	0.73	0.65	0.57	0.49	0.36
W30-110	1.60	1.43	1.27	1.10	0.91	0.85	0.75	0.67	0.57
W30-120	1.75	1.56	1.39	1.20	0.99	0.93	0.82	0.73	0.62
W30-135	1.96	1.76	1.55	1.35	1.12	1.04	0.92	0.82	0.70
W30-160	2.32	2.08	1.84	1.60	1.33	1.23	1.09	0.98	0.83
W30-185	2.68	2.41	2.13	1.85	1.54	1.42	1.26	1.13	0.96
W30-250	3.63	3.25	2.88	2.50	2.08	1.93	1.70	1.53	1.30
W30-300	4.35	3.90	3.45	3.00	2.49	2.31	2.04	1.83	1.56
W30-400	5.80	5.20	4.60	4.00	3.32	3.08	2.72	2.44	2.08
W30-500	7.25	6.50	5.75	5.00	4.15	3.85	3.40	3.05	2.60
W30-600	8.70	7.80	6.90	6.00	4.98	4.62	4.08	3.66	3.12
W30-700	10.10	9.10	8.05	7.00	5.81	5.39	4.76	4.27	3.64
W30-800	11.60	10.40	9.20	8.00	6.64	6.16	5.44	4.88	4.16
W30-900	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 (25°C下的动作保护时间曲线表):**

- A=090
- B=110
- C=135
- D=160
- E=185
- F=250
- G=300
- H=400
- I=500
- J=600
- K=700
- L=800
- M=900



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 (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
W30-090-W30-185	1000 pcs
W30-250-W30-400	500 pcs
W30-500-W30-900	200 pcs

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