

自恢复保险丝 PPTC (Polymeric Positive Temperature Coefficient)

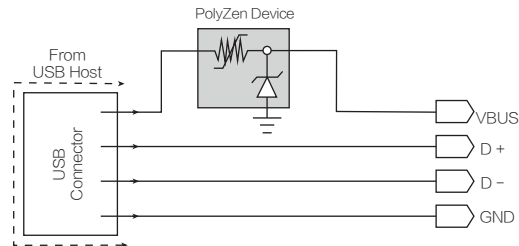
正温度系数器件，也就是人们所说的自恢复保险丝，为电子电路或者电子设备提供过流保护。PTCs的电阻随着温度的升高而升高，利用这个特性，当安全电流通过时，阻值变化很小，当有异常的电流时，阻值剧烈变化，达到限制异常电流的目的。当异常排除，温度回到安全水平时，阻值自动“重置”。

YINT提供的正温度系数聚合物 (PPTC) 作为一种过流保护器件，可以减少保修，维护和维修成本。是异常过电流频繁区域设备或者高可靠性设备的理想选择。常被应用在消费电子，电源线，电信，I/O口，过程控制和医疗设备。



Positive temperature coefficient devices, also known as re-settable fuses, providing over-current protection for electronic circuits and devices. The resistance of PTCs rises as the temperature rises. With this feature, the value change of resistance is not obvious when the safe current passes, the resistance value changes drastically when abnormal current passes, this reaches the purpose of limiting abnormal current, the resistance value will “reset” automatically when the abnormality is eliminated and temperature returns to a safe level.

YINT offers a polymeric positive temperature coefficient (PPTC) as an over-current protection device that could reduce the costs of warranty and maintenance. It is an ideal choice for equipment with frequent abnormal over-current flowing area. PPTC often used in consumer electronics, power lines, telecommunications, I/O connectors, process control and medical equipment.



插件系列 Radial leaded series

- ▲ 保护电压最高到600Vdc Protection devices up to 600Vdc
- ▲ 非常高的保持电流 A very high hold current
- ▲ 低电流比 Low trip - to-hold current ratio
- ▲ 低阻抗 Low resistance

贴片产品 Surface mount devices

- ▲ 小体积设计 Small volume design
- ▲ 低保持电流 Low hold current
- ▲ 快速响应 Very fast trip current
- ▲ 低阻抗 Low resistance

假如以下产品不能满足您的要求，一定条件下我们也可以提供定制产品，具体可联系YINT电子。

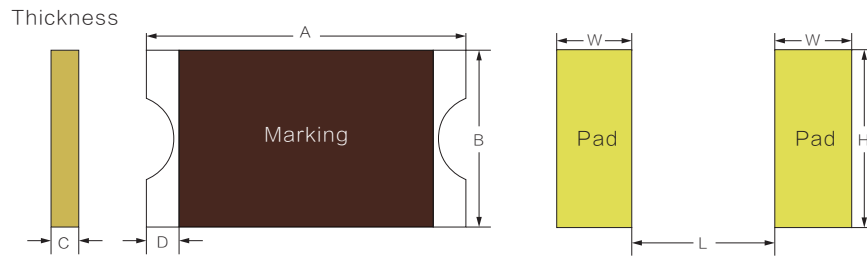
If your application requirements fall outside of our product range, in certain instances we can offer customized solutions. Please contact YINT for more information.

I_h	Hold current: maximum current at which the device will not trip at 25 still air	保持电流: 25度环境温度下, 器件不断开的最大电流值
I_t	Trip current minimum current at which the device will always trip at 25°C still air	断开电流: 25度环境温度下, 让器件断开的最小电流值
V_{MAX}	Maximum voltage device can withstand without damage at rated current	器件耐压值
I_{MAX}	Maximum fault current device can withstand without damage at rated voltage	器件能承受的最大异常电流
T_{Trip}	Maximum time to trip at 5 times hold current	5倍 I_h 下器件断开的最长时间
R_{MAX}	Maximum device resistance at 25 prior to tripping	25度下器件的最大阻值
R_{MIN}	Minimum device resistance at 25 prior to tripping	25度下器件的最小阻值
P_{dtyp}	Typical power dissipation from device when in the tripped state at 25°C still air	典型功耗: 25度环境温度下, 器件断开状态的典型功耗

Test Procedures and Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25°C	$R_{min} \leq R \leq R_{1max}$
Time to Trip	V_{max} , 25°C, In still air @ 25°C	$T \leq \text{max. time to trip (seconds)}$
Hold Current	30 min. at I_h , In still air @ 25°C	No trip
Trip Cycle Life	V_{max} , I_{max} , 100 cycles, In still air @ 25°C	No arcing or burning
Trip Endurance	V_{max} , 1 hours, In still air @ 25°C	No arcing or burning

Surface mount devices:



Electrical Characteristics

Product model	A	B	C	D	W	H	L
	Max	Max	Max	Min	±0.1	±0.1	±0.1
SMD0603	1.85	1.05	1.00	0.15	1.0	1.0	0.8
SMD0805	2.20	1.50	1.80	0.20	1.0	1.5	1.2
SMD1206	3.50	1.80	1.20	0.15	1.0	1.9	2.0
SMD1210	3.43	2.80	1.40	0.30	1.0	2.5	2.0
SMD1812	4.73	3.41	1.20	0.30	1.78	3.2	3.2
SMD2018	5.44	4.93	1.10	0.30	1.5	4.6	3.4
SMD2920	7.98	5.44	1.15	0.30	2.3	5.6	5.1

Resettable PTCS – 0603 Series



Electrical Characteristics

Products model	Vmax (dc)	Imax (A)	Ihold @ 25°C (A)	Itrip @ 25°C (A)	Pd Max (W)	Max Time to trip		Resistance	
						Current (A)	Time (Sec)	Rmin (Ω)	R1max(Ω)
SMD0603-010	15	40	0.10	0.30	0.5	0.5	1.00	0.900	6.000
SMD0603-020	9	40	0.20	0.50	0.5	1.0	0.60	0.550	3.500
SMD0603-025	9	40	0.25	0.55	0.5	8.0	0.08	0.500	3.000
SMD0603-035	6	40	0.35	0.75	0.5	8.0	0.10	0.200	1.400
SMD0603-050	6	40	0.50	1.00	0.5	8.0	0.10	0.100	0.800
SMD0603-075	6	40	0.75	1.40	0.5	8.0	0.10	0.060	0.450
SMD0603-100	6	40	1.00	2.00	0.5	8.0	0.10	0.040	0.300

Thermal Deration Chart-Ihold

Model	Max ambient operating temperature VS. Hold current(Ihold)								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SMD0603-010	0.13	0.12	0.11	0.10	0.08	0.07	0.06	0.05	0.03
SMD0603-020	0.27	0.25	0.23	0.20	0.17	0.14	0.12	0.10	0.07
SMD0603-025	0.32	0.29	0.27	0.25	0.21	0.18	0.16	0.14	0.10
SMD0603-035	0.47	0.41	0.38	0.35	0.29	0.26	0.24	0.20	0.14
SMD0603-050	0.67	0.59	0.54	0.50	0.41	0.37	0.34	0.29	0.20
SMD0603-075	0.98	0.86	0.81	0.75	0.62	0.51	0.46	0.39	0.27
SMD0603-100	1.33	1.18	1.08	1.00	0.80	0.74	0.68	0.57	0.40

Resettable PTCS – 0805 Series



Electrical Characteristics

Products model	Vmax (dc)	Imax (A)	Ihold @ 25°C (A)	Itrip @ 25°C (A)	Pd Max (W)	Max Time to trip		Resistance	
						Current (A)	Time (Sec)	Rmin (Ω)	R1max(Ω)
SMD0805-010	15	100	0.10	0.30	0.5	0.5	1.50	1.000	6.000
SMD0805-020	9/15	100	0.20	0.50	0.5	8.0	0.02	0.650	3.500
SMD0805-035	6	100	0.35	0.75	0.5	8.0	0.10	0.250	1.200
SMD0805-050	6	100	0.50	1.00	0.5	8.0	0.10	0.150	0.850
SMD0805-075	6	40.0	0.75	1.50	0.6	8.0	0.20	0.090	0.385
SMD0805-100	6/8.5	100	1.00	1.95	0.6	8.0	0.30	0.060	0.230
SMD0805-110	6	100	1.10	2.20	0.6	8.0	0.30	0.060	0.210
SMD0805-125	6	100	1.25	2.50	0.6	8.0	0.60	0.030	0.140

Thermal Deration Chart-Ihold

Model	Max ambient operating temperature VS.Hold current(Ihold)								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SMD0805-010	0.14	0.12	0.11	0.10	0.08	0.07	0.06	0.05	0.03
SMD0805-020	0.28	0.25	0.23	0.20	0.17	0.14	0.12	0.10	0.07
SMD0805-035	0.47	0.44	0.39	0.35	0.30	0.27	0.24	0.20	0.14
SMD0805-050	0.68	0.62	0.55	0.50	0.40	0.37	0.33	0.29	0.23
SMD0805-075	1.00	0.90	0.79	0.75	0.63	0.57	0.53	0.41	0.34
SMD0805-100	1.35	1.25	1.15	1.00	0.82	0.74	0.65	0.55	0.42
SMD0805-110	1.50	1.37	1.27	1.10	0.90	0.81	0.72	0.60	0.46
SMD0805-125	1.70	1.56	1.42	1.25	1.02	0.93	0.81	0.69	0.52

Resettable PTCS – 1206 Series

Electrical Characteristics



Products model	Vmax (dc)	Imax (A)	Ihold @ 25°C (A)	Itrip @ 25°C (A)	Pd Max (W)	Max Time to trip		Resistance	
						Current (A)	Time (Sec)	Rmin (Ω)	R1max(Ω)
SMD1206-005	60	100	0.050	0.15	0.4	0.3	1.50	3.600	50.00
SMD1206-010	60	100	0.100	0.25	0.4	0.5	1.00	1.600	15.00
SMD1206-012	60	100	0.125	0.29	0.6	1.0	0.20	1.500	15.00
SMD1206-020	24	100	0.200	0.460	0.6	8.0	0.08	0.350	2.500
SMD1206-025	16	100	0.250	0.50	0.6	8.0	0.08	0.350	2.500
SMD1206-035	6/16	100	0.350	0.75	0.6	8.0	0.10	0.250	1.300
SMD1206-050	6 /16/24	100	0.500	1.00	0.6	8.0	0.10	0.150	0.700
SMD1206-075	6/16	100	0.750	1.50	0.6	8.0	0.20	0.090	0.500
SMD1206-100	6	100	1.00	1.80	0.6	8.0	0.30	0.055	0.270
SMD1206-110	6	100	1.10	2.00	0.6	8.0	0.30	0.055	0.270
SMD1206-150	6/13.2	100	1.50	3.00	0.8	8.0	1.00	0.040	0.130
SMD1206-200	6	100	2.00	3.50	0.60	8.0	1.50	0.018	0.080

PPTC

Thermal Deration Chart-Ihold

Model	Max ambient operating temperature VS. Hold current(Ihold)								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SMD1206-010	0.145	0.33	0.115	0.100	0.085	0.075	0.07	0.06	0.055
SMD1206-012	0.180	0.16	0.14	0.125	0.010	0.090	0.08	0.07	0.05
SMD1206-020	0.33	0.30	0.24	0.20	0.170	0.13	0.11	0.09	0.07
SMD1206-025	0.37	0.33	0.29	0.25	0.22	0.20	0.17	0.15	0.12
SMD1206-035	0.50	0.45	0.40	0.35	0.30	0.27	0.24	0.21	0.15
SMD1206-050	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
SMD1206-075	1.14	1.01	0.88	0.75	0.65	0.59	0.54	0.49	0.41
SMD1206-100	1.45	1.31	1.15	1.00	0.84	0.77	0.69	0.61	0.48
SMD1206-110	1.49	1.35	1.19	1.10	0.89	0.80	0.74	0.68	0.52
SMD1206-150	2.18	1.94	1.72	1.50	1.28	1.17	1.06	0.96	0.77
SMD1206-200	2.05	2.76	2.30	2.00	1.78	1.56	1.43	1.21	1.05

Resettable PTCS – 1210 Series



Electrical Characteristics

Products model	Vmax (dc)	Imax (A)	Ihold @ 25°C (A)	Itrip @ 25°C (A)	Pd Max (W)	Max Time to trip		Resistance	
						Current (A)	Time (Sec)	Rmin (Ω)	R1max(Ω)
SMD1210-005	30	100	0.05	0.10	0.6	0.30	1.50	2.80	50.0
SMD1210-010	30	100	0.10	0.20	0.6	0.50	0.60	0.80	15.0
SMD1210-020	30	100	0.20	0.40	0.6	8.00	0.02	0.40	5.0
SMD1210-035	6	100	0.35	0.70	0.6	8.00	0.20	0.20	1.30
SMD1210-050	13.2	100	0.50	1.00	0.6	8.00	0.10	0.18	0.90
SMD1210-075	6	100	0.75	1.50	0.6	8.00	0.10	0.07	0.40
SMD1210-110	6	100	1.10	2.20	0.6	8.00	0.30	0.05	0.21
SMD1210-150	6	100	1.50	3.00	0.6	8.00	0.50	0.03	0.11

Thermal Deration Chart-Ihold

Model	Max ambient operating temperature VS.Hold current(Ihold)								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SMD1210-005	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02
SMD1210-010	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.03
SMD1210-020	0.29	0.26	0.22	0.20	0.16	0.14	0.13	0.11	0.08
SMD1210-035	0.47	0.45	0.40	0.35	0.33	0.28	0.24	0.21	0.18
SMD1210-050	0.76	0.67	0.58	0.50	0.43	0.40	0.36	0.32	0.28
SMD1210-075	1.00	0.97	0.86	0.75	0.64	0.59	0.54	0.48	0.40
SMD1210-110	1.69	1.48	1.29	1.10	0.88	0.76	0.65	0.57	0.43
SMD1210-150	2.13	1.92	1.71	1.50	1.26	1.14	1.01	0.89	0.71

Resettable PTCS – 1812 Series

Electrical Characteristics



Products model	Vmax (dc)	Imax (A)	Ihold @ 25°C (A)	Itrip @ 25°C (A)	Pd Max (W)	Max Time to trip		Resistance	
						Current (A)	Time (Sec)	Rmin (Ω)	R1max(Ω)
SMD1812-010	30/60	100	0.10	0.30	0.8	0.5	1.50	0.750	15.00
SMD1812-014	60	100	0.14	0.34	0.8	1.5	1.15	0.650	6.000
SMD1812-020	30/60	100	0.20	0.40	0.8	8.0	0.20	0.350	5.000
SMD1812-030	30	100	0.30	0.60	0.8	8.0	0.10	0.250	3.000
SMD1812-050	15/33/60	100	0.50	1.00	0.8	8.0	0.15	0.150	1.000
SMD1812-075	13.2/33	100	0.75	1.50	0.8	8.0	0.20	0.090	0.450
SMD1812-110	8/16/24/33	100	1.10	2.20	0.8	8.0	0.30	0.050	0.250
SMD1812-125	16	100	1.25	2.50	0.8	8.0	0.40	0.050	0.140
SMD1812-150	8/16/24	100	1.50	3.00	0.8	8.0	0.50	0.040	0.160
SMD1812-160	8	100	1.60	2.80	0.8	8.0	1.00	0.030	0.130
SMD1812-200	8/16	100	2.00	4.00	0.8	8.0	2.00	0.020	0.100
SMD1812-260	8	100	2.60	5.00	0.8	8.0	2.50	0.015	0.050
SMD1812-300	8	100	3.00	5.00	0.8	8.0	4.00	0.012	0.040
SMD1812-350	6	100	3.50	6.00	2.0	10.0	4.00	0.008	0.030

Thermal Deration Chart-Ihold

Model	Max ambient operating temperature VS. Hold current(Ihold)								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SMD1812-010	0.16	0.14	0.12	0.11	0.08	0.07	0.06	0.05	0.03
SMD1812-014	0.23	0.19	0.17	0.14	0.12	0.10	0.09	0.08	0.06
SMD1812-020	0.29	0.26	0.23	0.20	0.17	0.15	0.14	0.12	0.10
SMD1812-030	0.44	0.39	0.35	0.30	0.26	0.23	0.21	0.18	0.15
SMD1812-050	0.59	0.57	0.55	0.50	0.45	0.43	0.35	0.30	0.23
SMD1812-075	1.10	0.99	0.87	0.75	0.63	0.57	0.49	0.45	0.35
SMD1812-110	1.60	1.45	1.28	1.10	0.92	0.83	0.71	0.66	0.52
SMD1812-125	2.00	1.75	1.52	1.25	1.00	0.95	0.90	0.75	0.53
SMD1812-150	2.30	2.05	1.77	1.50	1.23	1.09	0.95	0.82	0.61
SMD1812-160	2.10	1.96	1.88	1.60	1.26	1.12	0.98	0.84	0.63
SMD1812-200	2.88	2.61	2.25	2.00	1.80	1.66	1.45	1.09	0.80
SMD1812-260	3.90	3.42	2.96	2.60	2.33	2.07	1.94	1.35	1.00
SMD1812-300	4.15	3.76	3.46	3.00	2.55	2.28	2.01	1.61	1.33
SMD1812-350	4.84	4.39	4.04	3.50	2.98	2.66	2.35	1.88	1.55

Resettable PTCS – 2018 Series



Electrical Characteristics

Products model	Vmax (dc)	Imax (A)	Ihold @ 25°C (A)	Itrip @ 25°C (A)	Pd Max (W)	Max Time to trip		Resistance	
						Current (A)	Time (Sec)	Rmin (Ω)	R1max(Ω)
SMD2018-030	60	100	0.30	0.60	0.9	1.5	3.0	0.50	2.30
SMD2018-050	60	100	0.55	1.20	1.0	2.5	3.0	0.20	1.00
SMD2018-100	15/33	100	1.10	2.2	1.1	8.0	0.4	0.06	0.36
SMD2018-150	15	100	1.50	3.0	1.1	8.0	0.8	0.05	0.17
SMD2018-200	10	100	2.00	4.0	1.1	8.0	2.4	0.03	0.10

Thermal Deration Chart-Ihold

Model	Max ambient operating temperature VS.Hold current(Ihold)								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SMD2018-030	0.48	0.42	0.35	0.30	0.24	0.21	0.17	0.15	0.10
SMD2018-050	0.87	0.77	0.67	0.55	0.46	0.41	0.36	0.31	0.23
SMD2018-100	1.71	1.52	1.32	1.10	0.94	0.84	0.74	0.64	0.50
SMD2018-150	2.38	2.10	1.82	1.50	1.27	1.13	0.99	0.85	0.64
SMD2018-200	2.95	2.65	2.35	2.00	1.74	1.59	1.44	1.29	1.06

Resettable PTCS – 2920 Series

Electrical Characteristics



Products model	Vmax (dc)	Imax (A)	Ihold @ 25°C (A)	Itrip @ 25°C (A)	Pd Max (W)	Max Time to trip		Resistance	
						Current (A)	Time (Sec)	Rmin (Ω)	R1max(Ω)
SMD2920-030	60	10	0.30	0.60	1.5	1.5	3.0	0.600	4.800
SMD2920-050	60	10	0.50	1.00	1.5	2.5	4.0	0.180	1.400
SMD2920-075	33	40	0.75	1.50	1.5	8.0	0.3	0.100	1.000
SMD2920-100	33	40	1.00	2.00	1.5	8.0	0.5	0.065	0.410
SMD2920-125	33	40	1.25	2.50	1.5	8.0	2.0	0.050	0.250
SMD2920-150	33	40	1.50	3.00	1.5	8.0	2.0	0.035	0.230
SMD2920-185	33	40	1.85	3.70	1.5	8.0	2.5	0.030	0.150
SMD2920-200	16/24	40	2.00	4.00	1.5	8.0	4.5	0.020	0.120
SMD2920-250	16	40	2.50	5.00	1.5	8.0	16.0	0.020	0.085
SMD2920-260	6	40	2.60	5.20	1.5	8.0	10.0	0.014	0.075
SMD2920-300	6/16	40	3.00	6.00	1.5	8.0	20.0	0.012	0.048

PPTC

Thermal Deration Chart-Ihold

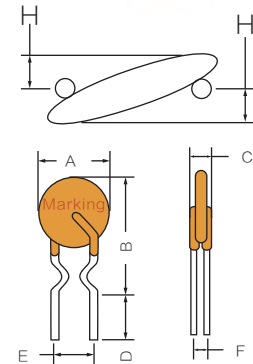
Model	Max ambient operating temperature VS.Hold current(Ihold)								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
SMD2920-030	0.45	0.40	0.35	0.30	0.25	0.23	0.20	0.17	0.14
SMD2920-050	0.76	0.67	0.59	0.50	0.42	0.38	0.33	0.29	0.23
SMD2920-075	1.13	1.01	0.88	0.75	0.62	0.56	0.50	0.44	0.34
SMD2920-100	1.66	1.47	1.29	1.00	0.91	0.83	0.73	0.64	0.50
SMD2920-125	1.89	1.68	1.46	1.25	1.04	0.94	0.83	0.73	0.56
SMD2920-150	2.27	2.01	1.76	1.50	1.25	1.13	1.00	0.87	0.74
SMD2920-185	2.80	2.47	2.17	1.85	1.54	1.39	1.22	1.07	0.85
SMD2920-200	3.02	2.68	2.34	2.00	1.66	1.50	1.32	1.16	0.90
SMD2920-250	3.78	3.35	2.93	2.50	2.08	1.88	1.65	1.45	1.13
SMD2920-260	3.64	3.25	2.91	2.60	2.26	2.08	1.95	1.74	1.13
SMD2920-300	4.53	4.02	3.51	3.00	2.52	2.26	1.99	1.75	1.34

Resettable PTCS – 6V Series



Package Dimensions

Product model	A	B	C	D	E	H	Lead Size
	Max	Max	Max	Min	Max	Typical	
6V-075	8.0	8.3	3.0	7.6	5.8	1.0	d:0.5
6V-090	7.4	11.6	3.0	7.6	5.8	1.0	d:0.5
6V-110	7.4	12.7	3.0	7.6	5.8	1.7	d:0.5
6V-120	7.4	11.7	3.0	7.6	5.8	1.0	d:0.5
6V-135	7.4	12.7	3.0	7.6	5.8	1.0	d:0.5
6V-160	7.6	13.5	3.0	7.6	5.8	1.2	d:0.5
6V-185	7.9	13.7	3.0	7.6	5.8	1.2	d:0.5
6V-250	9.4	14.5	3.0	7.6	5.8	1.5	d:0.5



Electrical Characteristics

Products model	IH	IT	IMAX	VMAX	Trip		Pdtyp	Rmin	Rmax	R1max
	(A)	(A)	(A)	(V)	(A)	(S)	(W)	(Ω)	(Ω)	(Ω)
6V-075	075	1.30	40	6.0	8.0	0.4	0.30	0.110	0.175	0.23
6V-090	0.90	1.80	40	16.0	8.0	1.2	0.60	0.070	0.120	0.18
6V-110	1.10	2.20	40	6.0	8.0	2.3	0.70	0.050	0.095	0.14
6V-120	1.20	2.00	40	6.0	8.0	0.5	0.60	0.070	0.097	0.14
6V-135	1.35	2.70	40	16.0	8.0	0.4	0.81	0.040	0.074	0.11
6V-160	1.60	3.20	40	16.0	8.0	9.0	0.90	0.030	0.061	0.11
6V-185	1.85	3.70	40	16.0	8.0	10.0	1.00	0.030	0.051	0.09
6V-250	2.50	5.00	40	16.0	8.0	40.0	1.21	0.020	0.036	0.06

Thermal Deration Chart-Ihold

Part number	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
6V-075	1.05	0.95	0.85	0.75	0.65	0.60	0.55	0.50	0.43
6V-090	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
6V-110	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
6V-120	1.69	1.52	1.36	1.20	1.04	0.96	0.88	0.80	0.68
6V-135	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
6V-160	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
6V-185	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
6V-250	3.82	3.44	3.03	2.50	2.17	2.00	1.81	1.59	1.39

Resettable PTCS - 16V Series



Package Dimensions

Product model	A	B	C	D	E	图式
	Max	Max	Typ	Min	Max	Fig
16V-075	6.9	11.4	5.1	7.6	3.0	Fig1
16V-090	7.4	13.4	5.1	7.6	3.0	Fig2
16V-110	7.9	14.2	5.1	7.6	3.0	Fig2
16V-120	7.4	12.1	5.1	7.6	3.0	Fig1
16V-135	8.9	13.5	5.1	7.6	3.0	Fig2
16V-160	8.9	15.9	5.1	7.6	3.0	Fig2
16V-185	10.7	15.7	5.1	7.6	3.0	Fig2
16V-250	11.5	18.4	5.1	7.6	3.0	Fig2
16V-300	7.1	11.0	5.1	7.6	3.0	Fig1&2
16V-400	8.9	12.8	5.1	7.6	3.0	Fig1&2
16V-500	10.4	14.3	5.1	7.6	3.0	Fig1&2
16V-600	10.7	17.1	5.1	7.6	3.0	Fig1&2
16V-700	11.2	19.7	5.1	7.6	3.0	Fig1&2
16V-800	12.7	20.9	5.1	7.6	3.0	Fig1&2
16V-900	14.0	21.7	5.1	7.6	3.0	Fig1&2
16V-1000	16.5	25.2	5.1	7.6	3.0	Fig1&2
16V-1100	17.5	26.0	5.1	7.6	3.0	Fig1&2
16V-1200	17.5	28.0	5.1	7.6	3.5	Fig1&2
16V-1400	23.5	27.9	10.2	7.6	3.5	Fig1&2

PPTC

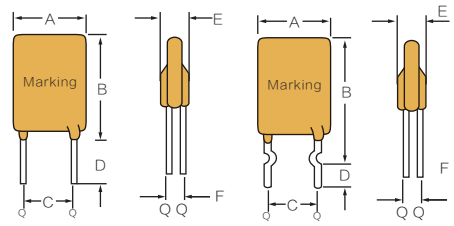


Fig2(引线打弯形, 请特殊说明)

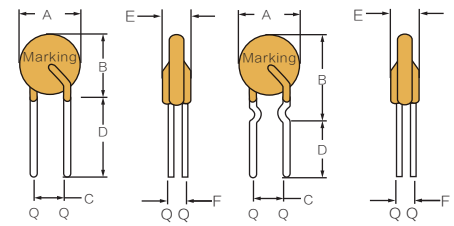


Fig2(引线打弯形, 请特殊说明)

Resettable PTCS – 16V Series

Electrical Characteristics

Products model	IH	IT	IMAX	VMAX	Trip		Pdtyp	Rmin	Rmax	R1max
	(A)	(A)	(A)	(V)	(A)	(S)	(W)	(Ω)	(Ω)	(Ω)
16V-075	0.75	1.30	40	16	3.75	0.4	0.30	0.14	0.23	0.30
16V-090	0.90	1.80	40	16	4.50	1.2	0.60	0.10	0.18	0.24
16V-110	1.10	2.20	40	16	5.50	2.3	0.70	0.08	0.14	0.21
16V-120	1.20	2.00	40	16	6.00	0.5	0.60	0.08	0.14	0.21
16V-135	1.35	2.70	40	16	6.75	4.5	0.81	0.06	0.12	0.19
16V-160	1.60	3.20	40	16	8.00	9.0	0.90	0.05	0.11	0.18
16V-185	1.85	3.70	40	16	9.25	10.0	1.00	0.05	0.09	0.14
16V-250	2.50	5.00	40	16	12.5	10.0	1.21	0.03	0.06	0.12
16V-300	3.0	5.1	100	16	15.0	2.0	2.3	0.038	0.070	0.090
16V-400	4.0	6.8	100	16	20.0	3.5	2.4	0.021	0.040	0.060
16V-500	5.0	8.5	100	16	25.0	3.6	2.6	0.015	0.025	0.032
16V-600	6.0	10.2	100	16	30.0	5.8	2.8	0.010	0.020	0.026
16V-700	7.0	11.9	100	16	35.0	8.0	3.0	0.008	0.015	0.020
16V-800	8.0	13.6	100	16	40.0	9.0	3.0	0.006	0.012	0.016
16V-900	9.0	15.3	100	16	45.0	12.0	3.3	0.005	0.011	0.014
16V-1000	10.0	17.0	100	16	50.0	12.5	3.6	0.004	0.009	0.011
16V-1100	11.0	18.7	100	16	55.0	13.5	3.7	0.004	0.008	0.010
16V-1200	12.0	20.4	100	16	60.0	16.0	4.2	0.004	0.007	0.009
16V-1400	14.0	23.8	100	16	70.0	20.0	4.6	0.003	0.005	0.007

Thermal Deration Chart-Ihold

Part number	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
16V-075	1.05	0.95	0.85	0.75	0.65	0.60	0.55	0.50	0.43
16V-090	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
16V-110	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
16V-120	1.69	1.52	1.36	1.20	1.04	0.96	0.88	0.80	0.68
16V-135	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
16V-160	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
16V-185	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
16V-250	3.82	3.44	3.03	2.50	2.17	2.00	1.81	1.59	1.39
16V-300	4.40	4.00	3.60	3.00	2.60	2.40	2.10	1.90	1.40
16V-400	5.90	5.30	4.80	4.00	3.50	3.20	2.80	2.50	1.90
16V-500	7.30	6.60	6.00	5.00	4.40	4.00	3.60	3.10	2.40
16V-600	8.80	8.00	7.20	6.00	5.20	4.80	4.20	3.80	2.80
16V-700	10.3	9.30	8.40	7.00	6.20	5.60	5.00	4.40	3.30
16V-800	11.7	10.7	9.60	8.00	6.90	6.40	5.60	5.10	3.70
16V-900	13.2	11.9	10.7	9.00	7.90	7.20	6.40	5.60	4.20
16V-1000	14.7	13.3	12.0	10.0	8.70	8.00	7.00	6.30	4.70
16V-1100	16.1	14.6	13.1	11.0	9.70	8.80	7.80	6.90	5.20
16V-1200	17.6	16.0	14.4	12.0	10.4	9.60	8.40	7.60	5.60
16V-1400	20.5	18.7	16.8	14.0	12.1	11.2	9.80	8.90	6.50

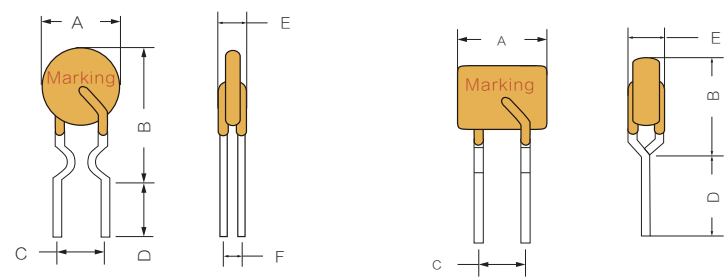
Resettable PTCS – 30V Series



Package Dimensions

Product model	A	B	C	D	E	Size(ø)
	Max	Max	Max	Min	Max	Unit:mm
30V-040	7.9	13.7	5.1	7.6	3.0	0.6+0.05 C
30V-050	7.4	12.2	5.1	7.6	3.0	0.6+0.05 C
30V-075	7.4	12.2	5.1	7.6	3.0	0.6+0.05 C
30V-090	7.4	12.2	5.1	7.6	3.0	0.6+0.05
30V-110	7.4	14.2	5.1	7.6	3.0	0.6+0.05
30V-135	8.9	13.5	5.1	7.6	3.0	0.6+0.05
30V-160	8.9	15.2	5.1	7.6	3.0	0.6+0.05
30V-185	10.2	15.7	5.1	7.6	3.0	0.6+0.05
30V-200	10.2	15.2	5.1	7.6	3.0	0.6+0.05
30V-250	11.4	18.3	5.1	7.6	3.0	0.6+0.05
30V-300	11.4	17.3	5.1	7.6	3.0	0.8+0.05
30V-400	14.0	20.1	5.1	7.6	3.0	0.8+0.05
30V-500	14.0	24.9	10.2	7.6	3.0	0.8+0.05
30V-600	18.0	24.9	10.2	7.6	3.0	0.8+0.05
30V-700	19.1	26.7	10.2	7.6	3.0	0.8+0.05
30V-800	21.6	29.2	10.2	7.6	3.0	0.8+0.05
30V-900	24.1	29.7	10.2	7.6	3.0	0.8+0.05

PPTC



Resettable PTCS – 30V Series

Electrical Characteristics

Products model	IH	IT	IMAX	VMAX	Trip		Pdtyp	Rmin	Rmax
	(A)	(A)	(A)	(V)	(A)	(S)	(W)	(Ω)	(Ω)
30V-040	0.40	0.80	40	30	2.00	5.0	0.6	0.40	1.0 (R1)
30V-050	0.50	1.00	40	30	2.50	4.8	0.6	0.290	0.510
30V-075	0.75	1.50	40	30	3.50	5.2	0.6	0.140	0.200
30V-090	0.90	1.80	40	30	4.50	5.9	0.6	0.070	0.12
30V-110	1.10	2.20	40	30	5.58	6.6	0.7	0.050	0.10
30V-135	1.35	2.70	40	30	6.75	7.3	0.8	0.040	0.08
30V-160	1.60	3.20	40	30	8.00	8.0	0.9	0.030	0.07
30V-185	1.85	3.70	40	30	9.25	8.7	1.0	0.030	0.06
30V-200	2.00	4.00	40	30	10.0	9.5	1.2	0.040	0.01
30V-250	2.50	5.00	40	30	12.50	10.3	1.2	0.020	0.04
30V-300	3.00	6.00	40	30	15.00	10.8	2.0	0.020	0.05
30V-400	4.00	8.00	40	30	20.00	12.7	2.5	0.010	0.03
30V-500	5.00	10.00	40	30	25.00	14.5	3.0	0.010	0.03
30V-600	6.00	12.00	40	30	30.00	16.0	3.5	0.005	0.02
30V-700	7.00	14.00	40	30	35.00	17.5	3.8	0.005	0.02
30V-800	8.00	16.00	40	30	40.00	18.8	4.0	0.005	0.02
30V-900	9.00	18.00	40	30	45.00	20.0	4.2	0.005	0.01

Thermal Deration Chart-Ihold

Part number	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
30V-040	0.66	0.59	0.50	0.40	0.33	0.30	0.26	0.20	0.14
30V-050	0.83	0.74	0.63	0.50	0.41	0.36	0.30	0.25	0.18
30V-075	1.26	1.11	0.95	0.75	0.61	0.54	0.45	0.39	0.28
30V-090	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
30V-110	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
30V-135	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
30V-160	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
30V-185	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
30V-200	3.06	2.75	2.42	2.00	1.74	2.60	1.45	1.27	1.12
30V-250	3.82	3.44	3.03	2.50	2.17	2.00	1.81	1.59	1.39
30V-300	4.55	4.10	3.60	3.00	2.65	2.51	2.24	2.01	1.74
30V-400	6.00	5.40	4.74	4.00	3.47	3.28	2.82	2.63	2.26
30V-500	7.44	6.68	5.80	5.00	4.30	4.03	3.58	3.22	2.77
30V-600	8.90	7.99	7.08	6.00	5.13	4.82	4.27	3.84	3.30
30V-700	10.35	9.30	8.21	7.00	5.95	5.58	4.96	4.46	3.84
30V-800	11.60	10.60	9.35	8.00	6.79	6.36	5.64	5.07	4.36
30V-900	13.25	11.90	10.49	9.00	7.53	7.12	6.32	5.69	4.88

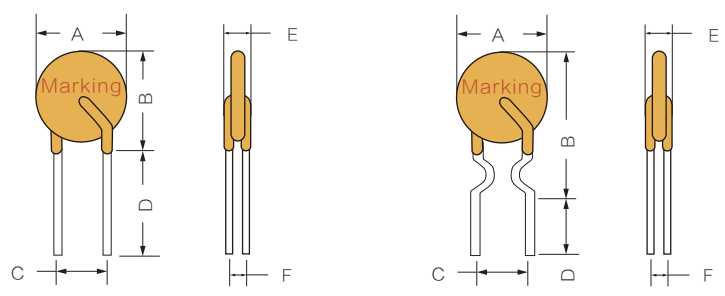
Resettable PTCS - 60V Series



Package Dimensions

Product model	A	B	C	D	E	Lead ø	
	Max	Max	Max	Min	Max	Unit:mm	
60V-005	7.4	12.7	5.1	7.6	3.1	DI	0.5
60V-010	7.4	11.6	5.1	7.6	3.1	DI	0.5
60V-017	7.4	12.7	5.1	7.6	3.1	DI	0.5
60V-020	7.4	11.7	5.1	7.6	3.1	DI	0.5
60V-025	7.4	12.7	5.1	7.6	3.1	DI	0.5
60V-030	7.4	12.7	5.1	7.6	3.1	DI	0.5
60V-040	7.6	13.5	5.1	7.6	3.1	DI	0.5
60V-050	7.9	13.7	5.1	7.6	3.1	DI	0.5
60V-065	9.4	14.5	5.1	7.6	3.1	DI	0.6
60V-075	10.2	15.2	5.1	7.6	3.1	DI	0.6
60V-090	11.2	15.8	5.1	7.6	3.1	DI	0.6
60V-110	12.8	17.5	5.1	7.6	3.1	DZ	0.8
60V-135	14.5	19.1	5.1	7.6	3.1	DZ	0.8
60V-160	16.3	20.8	5.1	7.6	3.1	DZ	0.8
60V-185	17.5	22.4	5.1	7.6	3.1	DZ	0.8
60V-250	20.8	25.4	10.2	7.6	3.1	DZ	0.8
60V-300	23.9	28.6	10.2	7.6	3.1	DZ	0.8
60V-375	27.2	31.8	10.2	7.6	3.1	DZ	0.8
60V-500	27.2	31.8	10.2	7.6	3.1	DZ	0.8

PPTC



Resettable PTCS – 60V Series

Electrical Characteristics

Products model	IH	IT	IMAX	VMAX	Trip		Pdtyp	Rmin	Rmax	R1max
	(A)	(A)	(A)	(V)	(A)	(S)	(W)	(Ω)	(Ω)	(Ω)
60V-005	0.05	0.10	40	60	0.25	5.0	0.30	7.50	12.0	15.0
60V-010	0.10	0.20	40	60	0.50	8.0	0.51	2.50	4.50	6.0
60V-017	0.17	0.34	40	60	0.85	5.0	0.60	2.00	3.20	4.5
60V-020	0.20	0.40	40	60	1.00	3.6	0.52	1.50	2.84	3.8
60V-025	0.25	0.50	40	60	1.25	3.2	0.52	1.00	1.95	2.8
60V-030	0.30	0.60	40	60	1.50	3.0	0.59	0.76	1.36	1.80
60V-040	0.40	0.80	40	60	2.00	3.8	0.66	0.52	0.86	1.10
60V-050	0.50	1.00	40	60	2.50	4.0	0.80	0.41	0.77	1.00
60V-065	0.65	1.30	40	60	3.25	5.3	0.90	0.27	0.48	0.60
60V-075	0.75	1.50	40	60	3.75	6.3	0.95	0.18	0.40	0.50
60V-090	0.90	1.80	40	60	4.5	7.2	1.00	0.14	0.31	0.42
60V-110	1.10	2.20	40	60	5.5	8.2	1.51	0.14	0.25	0.33
60V-135	1.35	2.70	40	60	6.75	9.6	1.71	0.12	0.19	0.26
60V-160	1.60	3.20	40	60	8.0	11.4	1.98	0.09	0.14	0.19
60V-185	1.85	3.70	40	60	9.25	12.6	2.10	0.08	0.12	0.16
60V-250	2.50	5.00	40	60	12.5	15.6	2.50	0.05	0.08	0.11
60V-300	3.00	6.00	40	60	15.00	19.8	2.80	0.04	0.06	0.08
60V-375	3.75	7.50	40	60	18.75	24.0	3.20	0.03	0.05	0.07
60V-500	5.00	10.0	40	60	25.00	30.0	4.20	0.02	0.07	0.10

Thermal Deration Chart-Ihold

Part number	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
60V-005	0.077	0.069	0.061	0.050	0.044	0.040	0.036	0.032	0.025
60V-010	0.18	0.15	0.13	0.10	0.08	0.07	0.06	0.05	0.03
60V-017	0.28	0.24	0.20	0.17	0.14	0.12	0.10	0.09	0.06
60V-020	0.34	0.29	0.25	0.20	0.16	0.14	0.13	0.10	0.07
60V-025	0.42	0.36	0.31	0.25	0.20	0.18	0.16	0.12	0.09
60V-030	0.52	0.44	0.38	0.30	0.24	0.22	0.18	0.14	0.10
60V-040	0.66	0.57	0.50	0.40	0.32	0.29	0.24	0.20	0.14
60V-050	0.83	0.74	0.63	0.50	0.41	0.36	0.30	0.25	0.18
60V-065	1.10	0.95	0.82	0.65	0.53	0.47	0.40	0.33	0.24
60V-075	1.26	1.11	0.95	0.75	0.61	0.54	0.45	0.39	0.28
60V-090	1.52	1.30	1.15	0.90	0.73	0.65	0.55	0.47	0.33
60V-110	1.82	1.60	1.35	1.10	0.89	0.79	0.65	0.55	0.40
60V-135	2.20	1.91	1.65	1.35	1.09	0.96	0.80	0.68	0.50
60V-160	2.60	2.30	1.95	1.60	1.30	1.13	1.00	0.80	0.60
60V-185	3.00	2.63	2.30	1.85	1.50	1.33	1.12	0.92	0.67
60V-250	4.05	3.58	3.02	2.50	2.02	1.80	1.55	1.30	0.90
60V-300	4.82	4.16	3.62	3.00	2.43	2.16	1.85	1.50	1.09
60V-375	6.02	5.19	4.50	3.75	3.02	2.68	2.30	1.95	1.39
60V-500	7.44	6.68	5.80	5.00	4.30	4.03	3.58	3.22	2.77

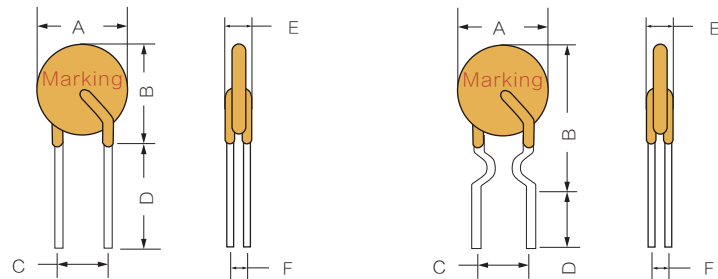
Resettable PTCS - 72V Series



Package Dimensions

Product model	A	B	C	D	E	Lead ø	
	Max	Max	Max	Min	Max	Unit:mm	
72V-005	7.4	12.7	5.1	7.6	3.1	DI	0.5
72V-010	7.4	11.6	5.1	7.6	3.1	DI	0.5
72V-017	7.4	12.7	5.1	7.6	3.1	DI	0.5
72V-020	7.4	11.7	5.1	7.6	3.1	DI	0.5
72V-025	7.4	12.7	5.1	7.6	3.1	DI	0.5
72V-030	7.4	12.7	5.1	7.6	3.1	DI	0.5
72V-040	7.6	13.5	5.1	7.6	3.1	DI	0.5
72V-050	7.9	13.7	5.1	7.6	3.1	DI	0.5
72V-065	9.4	14.5	5.1	7.6	3.1	DI	0.6
72V-075	10.2	15.2	5.1	7.6	3.1	DI	0.6
72V-090	11.2	15.8	5.1	7.6	3.1	DI	0.6
72V-110	12.8	17.5	5.1	7.6	3.1	DZ	0.8
72V-135	14.5	19.1	5.1	7.6	3.1	DZ	0.8
72V-160	16.3	20.8	5.1	7.6	3.1	DZ	0.8
72V-185	17.5	22.4	5.1	7.6	3.1	DZ	0.8
72V-250	20.8	25.4	10.2	7.6	3.1	DZ	0.8
72V-300	23.9	28.6	10.2	7.6	3.1	DZ	0.8
72V-375	27.2	31.8	10.2	7.6	3.1	DZ	0.8
72V-500	27.2	31.8	10.2	7.6	3.1	DZ	0.8

PPTC



Resettable PTCS – 72V Series

Electrical Characteristics

Products model	IH	IT	IMAX	VMAX	Trip		Pdtyp	Rmin	Rmax	R1max
	(A)	(A)	(A)	(V)	(A)	(S)	(W)	(Ω)	(Ω)	(Ω)
72V-005	0.05	0.10	40	60	0.25	5.0	0.30	7.50	12.0	15.0
72V-010	0.10	0.20	40	60	0.50	8.0	0.51	2.50	4.50	6.0
72V-017	0.17	0.34	40	60	0.85	5.0	0.60	2.00	3.20	4.5
72V-020	0.20	0.40	40	60	1.00	3.6	0.52	1.50	2.84	3.8
72V-025	0.25	0.50	40	60	1.25	3.2	0.52	1.00	1.95	2.8
72V-030	0.30	0.60	40	60	1.50	3.0	0.59	0.76	1.36	1.80
72V-040	0.40	0.80	40	60	2.00	3.8	0.66	0.52	0.86	1.10
72V-050	0.50	1.00	40	60	2.50	4.0	0.80	0.41	0.77	1.00
72V-065	0.65	1.30	40	60	3.25	5.3	0.90	0.27	0.48	0.60
72V-075	0.75	1.50	40	60	3.75	6.3	0.95	0.18	0.40	0.50
72V-090	0.90	1.80	40	60	4.5	7.2	1.00	0.14	0.31	0.42
72V-110	1.10	2.20	40	60	5.5	8.2	1.51	0.14	0.25	0.33
72V-135	1.35	2.70	40	60	6.75	9.6	1.71	0.12	0.19	0.26
72V-160	1.60	3.20	40	60	8.0	11.4	1.98	0.09	0.14	0.19
72V-185	1.85	3.70	40	60	9.25	12.6	2.10	0.08	0.12	0.16
72V-250	2.50	5.00	40	60	12.5	15.6	2.50	0.05	0.08	0.11
72V-300	3.00	6.00	40	60	15.00	19.8	2.80	0.04	0.06	0.08
72V-375	3.75	7.50	40	60	18.75	24.0	3.20	0.03	0.05	0.07
72V-500	5.00	10.0	40	60	25.00	30.0	4.20	0.02	0.07	0.10

Thermal Deration Chart-Ihold

Part number	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
72V-005	0.077	0.069	0.061	0.050	0.044	0.040	0.036	0.032	0.025
72V-010	0.18	0.15	0.13	0.10	0.08	0.07	0.06	0.05	0.03
72V-017	0.28	0.24	0.20	0.17	0.14	0.12	0.10	0.09	0.06
72V-020	0.34	0.29	0.25	0.20	0.16	0.14	0.13	0.10	0.07
72V-025	0.42	0.36	0.31	0.25	0.20	0.18	0.16	0.12	0.09
72V-030	0.52	0.44	0.38	0.30	0.24	0.22	0.18	0.14	0.10
72V-040	0.66	0.57	0.50	0.40	0.32	0.29	0.24	0.20	0.14
72V-050	0.83	0.74	0.63	0.50	0.41	0.36	0.30	0.25	0.18
72V-065	1.10	0.95	0.82	0.65	0.53	0.47	0.40	0.33	0.24
72V-075	1.26	1.11	0.95	0.75	0.61	0.54	0.45	0.39	0.28
72V-090	1.52	1.30	1.15	0.90	0.73	0.65	0.55	0.47	0.33
72V-110	1.82	1.60	1.35	1.10	0.89	0.79	0.65	0.55	0.40
72V-135	2.20	1.91	1.65	1.35	1.09	0.96	0.80	0.68	0.50
72V-160	2.60	2.30	1.95	1.60	1.30	1.13	1.00	0.80	0.60
72V-185	3.00	2.63	2.30	1.85	1.50	1.33	1.12	0.92	0.67
72V-250	4.05	3.58	3.02	2.50	2.02	1.80	1.55	1.30	0.90
72V-300	4.82	4.16	3.62	3.00	2.43	2.16	1.85	1.50	1.09
72V-375	6.02	5.19	4.50	3.75	3.02	2.68	2.30	1.95	1.39
72V-500	7.44	6.68	5.80	5.00	4.30	4.03	3.58	3.22	2.77

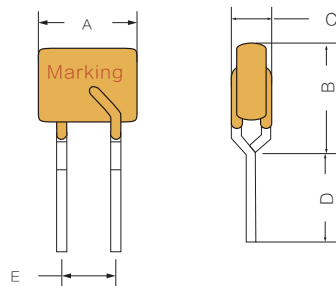
Resettable PTCS – 250V Series



Package Dimensions

Product model	A	B	C	D	E
	Max	Max	Max	Min	Max
250V-040	5.8	9.9	3.8	4.7	5.0
250V-050	5.8	9.9	3.8	4.7	5.0
250V-060	5.8	9.9	3.8	4.7	5.0
250V-080	5.8	9.9	3.8	4.7	5.0
250V-090	5.8	9.9	3.8	4.7	5.0
250V-110	6.0	11.0	3.8	4.7	5.0
250V-120	6.5	11.0	3.8	4.7	5.0
250V-145	6.5	11.0	3.8	4.7	5.0
250V-180	9.0	12.6	3.5	4.7	5.0
250V-200	9.0	12.6	3.5	4.7	5.0
250V-300	9.0	12.6	3.5	4.7	5.0
250V-400	9.5	15.2	3.5	4.7	5.0
250V-500	11.0	15.8	3.5	4.7	5.0
250V-600	11.0	15.8	3.5	4.7	5.0
250V-800	11.0	15.8	3.5	4.7	5.0
250V-1000	14.0	19.1	3.5	4.7	5.0
250V-1200	16.0	20.8	3.5	4.7	5.0
250V-1400	17.0	22.4	3.5	4.7	5.0
250V-1500	17.0	22.4	3.5	4.7	5.0
250V-2000	24.0	28.0	3.5	4.7	10.0

PPTC



Resettable PTCS – 250V Series

Electrical Characteristics

Products model	IH	IT	IMAX	VMAX	Trip		Pdtyp	Rmin	Rmax	R1max
	(A)	(A)	(A)	(V)	(A)	(S)	(W)	(Ω)	(Ω)	(Ω)
250V-040	0.04	0.09	3.0	250	1.00	0.45	1.0	23.0	60.00	75.0
250V-050	0.05	0.10	3.0	250	1.00	0.48	1.0	22.0	60.0	72.0
250V-060	0.06	0.12	3.0	250	1.00	0.50	1.0	22.0	32.0	40.0
250V-080	0.08	0.16	3.0	250	0.35	3.00	1.0	14.0	22.0	28.0
250V-090	0.09	0.18	3.0	250	0.35	3.00	1.0	10.0	20.0	26.0
250V-110	0.11	0.22	3.0	250	1.00	0.75	1.0	7.00	11.0	16.0
250V-120	0.12	0.24	3.0	250	1.00	0.75	1.0	8.00	12.0	15.0
250V-145	0.145	0.29	3.0	250	0.725	2.5	1.0	3.5	6.5	10.0
250V-180	0.18	0.50	3.0	250	1.00	15.0	1.0	0.80	2.0	10.0
250V-200	0.20	0.40	3.0	250	1.00	15.0	1.5	1.50	3.0	4.50
250V-300	0.30	0.60	3.0	250	1.5	10.0	1.0	1.50	2.5	3.20
250V-400	0.40	0.80	10.0	250	2.00	10.0	2.5	0.75	0.95	2.50
250V-500	0.50	1.00	10.0	250	2.50	10.0	3.0	0.60	0.70	1.30
250V-600	0.60	1.20	10.0	250	3.0	10.0	3.0	0.50	0.70	1.00
250V-800	0.80	1.60	10.0	250	4.0	8.00	3.5	0.45	0.65	1.00
250V-1000	1.00	2.00	10.0	250	5.0	10.00	5.0	0.28	0.45	0.70
250V-1200	1.20	2.40	10.0	250	6.0	10.00	5.0	0.25	0.30	0.50
250V-1400	1.40	2.80	10.0	250	7.0	12.00	5.0	0.18	0.25	0.50
250V-1500	1.50	3.00	10.0	250	8.0	13.00	5.0	0.18	0.22	0.50
250V-2000	2.00	4.00	10.0	250	10.0	14.00	5.0	0.12	0.19	0.30

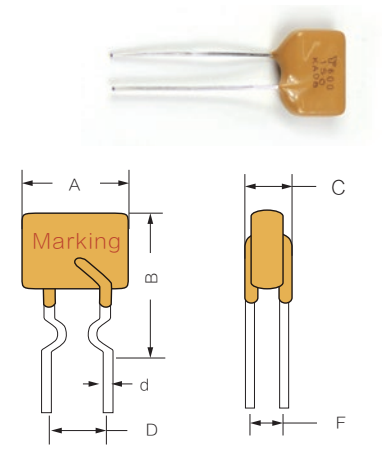
Thermal Deration Chart-Ihold

Part number	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
250V-040	0.078	0.065	0.055	0.040	0.034	0.028	0.022	0.018	0.016
250V-050	0.080	0.070	0.060	0.050	0.040	0.036	0.030	0.027	0.020
250V-060	0.100	0.090	0.070	0.060	0.050	0.050	0.040	0.040	0.030
250V-080	0.124	0.110	0.095	0.080	0.066	0.059	0.051	0.044	0.033
250V-090	0.140	0.130	0.110	0.090	0.080	0.070	0.060	0.050	0.040
250V-110	0.171	0.151	0.131	0.110	0.091	0.081	0.071	0.061	0.046
250V-120	0.191	0.170	0.148	0.120	0.104	0.093	0.082	0.071	0.055
250V-145	0.225	0.199	0.172	0.145	0.119	0.106	0.093	0.080	0.060
250V-180	0.269	0.240	0.211	0.180	0.153	0.138	0.123	0.109	0.087
250V-200	0.320	0.280	0.250	0.200	0.170	0.160	0.140	0.120	0.090
250V-300	0.478	0.42	0.370	0.300	0.255	0.232	0.204	0.177	0.137
250V-400	0.640	0.570	0.490	0.400	0.350	0.310	0.270	0.240	0.180
250V-500	0.870	0.790	0.680	0.500	0.420	0.370	0.320	0.260	0.220
250V-600	0.960	0.850	0.740	0.600	0.520	0.470	0.410	0.360	0.280
250V-800	1.270	1.130	0.990	0.800	0.690	0.620	0.550	0.470	0.370
250V-1000	1.590	1.420	1.230	1.000	0.870	0.780	0.680	0.590	0.460
250V-1200	1.910	1.700	1.480	1.200	1.040	0.930	0.820	0.710	0.550
250V-1400	2.230	1.980	1.730	1.400	1.210	1.090	0.960	0.830	0.640
250V-1500	2.390	2.130	1.850	1.500	1.300	1.160	1.030	0.890	0.690
250V-2000	3.180	2.830	2.470	2.000	1.730	1.550	1.370	1.180	0.920

Resettable PTCS – 600V Series

Package Dimensions

Product model	A	B	C	D	Lead Size
	Max	Max	Max	Min	
600V-030	13.5	12.6	6.0	4.7	0.75
600V-040	13.5	12.6	6.0	4.7	0.75
600V-060	13.5	12.6	6.0	4.7	0.75
600V-080	13.5	12.6	6.0	4.7	0.75
600V-110	13.5	12.6	6.0	4.7	0.75
600V-150	13.5	12.6	6.0	4.7	0.75
600V-160	14.0	14.0	6.5	5.1	0.75
600V-200	14.0	14.0	6.5	5.1	0.75



Electrical Characteristics

Products model	IH	IT	IMAX	VMAX	Trip		Rmin	Rmax	Lead
	(A)	(A)	(A)	(V)	(A)	(S)	(Ω)	(Ω)	(Φmm)
600V-030	0.03	0.06	3.0	600	1.0	20	70	110	0.78
600V-040	0.04	0.08	3.0	600	1.0	20	50	80	0.78
600V-060	0.06	0.12	3.0	600	1.0	20	20	35	0.78
600V-080	0.08	0.16	3.0	600	1.0	20	15	25	0.60
600V-110	0.11	0.25	3.0	600	1.0	3.0	6.0	18	0.78
600V-150	0.15	0.30	3.0	600	1.0	5.0	6.0	12.0	16.0
600V-160	0.16	0.32	3.0	600	1.0	12	4.0	10.0	0.75
600V-200	0.20	0.40	3.0	600	1.0	12	5.0	10.0	0.75

Thermal Deration Chart-Ihold

Part number	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
600V-030	138%	119%	100%	92%	83%	73%	64%	55%	42%
600V-040	138%	119%	100%	92%	83%	73%	64%	55%	42%
600V-060	138%	119%	100%	92%	83%	73%	64%	55%	42%
600V-080	138%	119%	100%	92%	83%	73%	64%	55%	42%
600V-110	138%	119%	100%	92%	83%	73%	64%	55%	42%
600V-150	138%	119%	100%	92%	83%	73%	64%	55%	42%
600V-200	138%	119%	100%	92%	83%	73%	64%	55%	42%

PPTC