

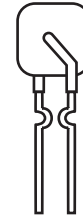
**Poly Switch PPTC (Polymeric Positive Temperature Coefficient) Resettable Fuse Capacitor Type PS06**

**Δ Feature:**

- Direct Fuse Replacement in DC Circuits
- Auto Reset (when power is cycled)
- Crossover with Raychem and Bourns

**Δ Application:**

- PCB, USB Port, Printer, Scanners and other PC Peripherals.

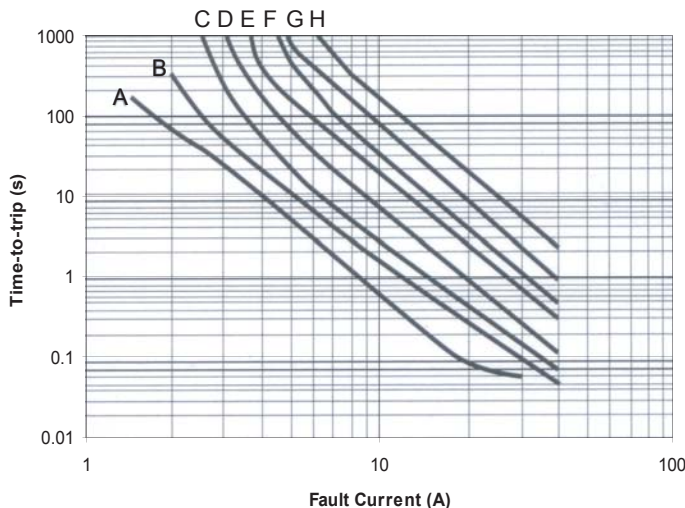


**Δ Electrical Characteristics**

Model	Vmax (V)	Ro (Ω)	IT (A)	Ttrip (S)	IH (A)	I <sub>max</sub> (A)	Pd <sub>typ</sub> (W)
PS06-075	6	0.140-0.230	1.30	0.40	0.75	40	0.30
PS06-090	6	0.100-0.180	1.80	1.20	0.90	40	0.60
PS06-110	6	0.080-0.140	2.20	2.30	1.10	40	0.70
PS06-120	6	0.080-0.140	2.00	3.50	1.20	40	0.60
PS06-135	6	0.060-0.120	2.70	4.50	1.35	40	0.81
PS06-160	6	0.050-0.110	3.20	9.00	1.60	40	0.90
PS06-185	6	0.050-0.090	3.70	10.00	1.85	40	1.00
PS06-250	6	0.030-0.060	5.00	10.00	2.50	40	1.21

**Δ Typical T-I Derating Form**

Model	Ambient Temperature (°C)								
	-40	-20	0	25	40	50	60	70	85
PS06-075	1.05	0.95	0.85	0.75	0.65	0.60	0.55	0.50	0.43
PS06-090	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
PS06-110	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
PS06-120	1.69	1.52	1.36	1.20	1.04	0.96	0.88	0.80	0.68
PS06-135	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
PS06-160	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
PS06-185	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
PS06-250	3.82	3.44	3.03	2.50	2.17	2.00	1.81	1.59	1.39



**Legend**

- I<sub>H</sub>(A):** Hold current: maximum current at which the device will not trip at 25°C still air
- I<sub>T</sub>(A):** Tripping current: minimum current at which the device will trip at 25°C under specified conditions.
- T<sub>tr</sub>(S):** Maximum time to trip at specified current. (generally at 5IH)
- V<sub>max</sub>(V):** Maximum device operating voltage.
- I<sub>max</sub>(A):** Maximum fault current device can withstand without damage at rated voltage.
- Pd<sub>typ</sub>(W):** Typical power dissipation: Typical amount of power dissipated by the device when in tripped state air environment.
- R<sub>o</sub>(Ω):** Minimum-maximum device resistance at 25° prior to tripping.

- A=PS06-075    E=PS06-135
- B=PS06-090    F=PS06-160
- C=PS06-110    G=PS06-185
- D=PS06-120    H=PS06-250



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Δ Dimensions

Model	Amax (mm)	Bmax (mm)	Cmax (mm)	Dtyp (mm)	Diameter of Lead (mm)	Fig.
PS06-075	6.9	11.4	5.1	3.1	Φ0.6	2
PS06-090	7.4	14.0	5.1	3.1	Φ0.6	1
PS06-110	7.9	14.2	5.1	3.1	Φ0.6	1
PS06-120	7.4	12.6	5.1	3.1	Φ0.6	2
PS06-135	8.9	14.5	5.1	3.1	Φ0.6	1
PS06-160	8.9	17.9	5.1	3.1	Φ0.6	1
PS06-185	10.7	16.7	5.1	3.1	Φ0.6	1
PS06-250	11.5	20.4	5.1	3.1	Φ0.6	1

Fig. 1

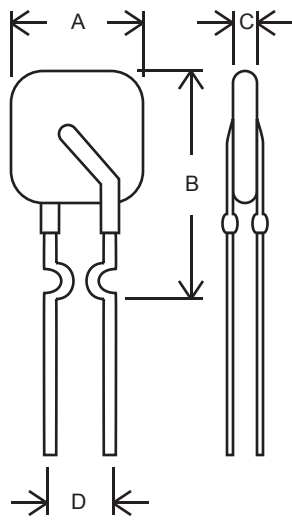


Fig. 2

