

Fixed Component Capacitors

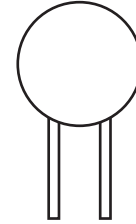
**Poly Switch PPTC (Polymeric Positive Temperature Coefficient) Resettable Fuse Capacitor Type PS90**

**Δ Feature:**

- Fuse Capacitor (use in place of traditional fuse)
- Auto Reset (when power is cycled)

**Δ Application:**

- Automotive Wiring Harness, Door Lock, Security Alarm,
- Rain Brush, Actuators and other Automotive applications.



**Δ Electrical Characteristics**

Model	IH (A)	IT (A)	Vmax (V)	Imax (A)	Ttrip (S)	Pdtype (W)	Ro (Ω)
PS90-020	0.20	0.40	90	20	10	1.70	1.00-2.5
PS90-025	0.25	0.50	90	20	10	1.75	0.80-2.0
PS90-035	0.35	0.75	90	20	10	1.80	0.60-1.2
PS90-055	0.55	1.10	90	20	10	2.00	0.35-0.9
PS90-075	0.75	1.50	90	20	10	2.50	0.20-0.6
PS90-090	0.90	1.80	90	20	10	3.00	0.10-0.5

**Δ Dimensions**

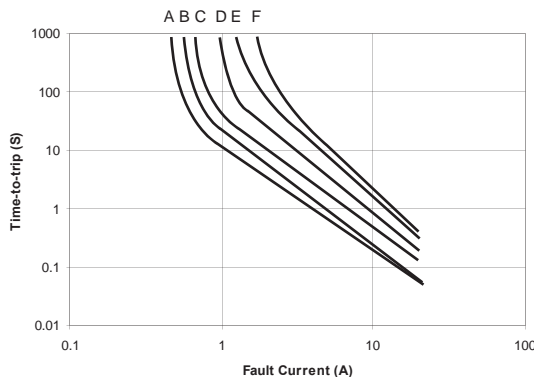
Model	Amax	Bmin	Cmax	Dtyp
PS90-020	5.5	7.6	3.1	5.1
PS90-025	7.5	7.6	3.1	5.1
PS90-035	7.5	7.6	3.1	5.1
PS90-055	11.0	7.6	3.1	5.1
PS90-075	11.0	7.6	3.1	5.1
PS90-090	13.0	7.6	3.1	5.1

**Legend**

- IH(A):** Hold current: maximum current at which the device will not trip at 25°C still air
- IT(A):** Tripping current: minimum current at which the device will trip at 25°C under specified conditions.
- Tt(S):** Maximum time to trip at specified current. (generally at 5IH)
- Vmax(V):** Maximum device operating voltage.
- Imax(A):** Maximum fault current device can withstand without damage at rated voltage.
- Pdtype(W):** Typical power dissipation: Typical amount of power dissipated by the device when in tripped state air environment.
- Ro(Ω):** Minimum-maximum device resistance at 25° prior to tripping.

**Δ Typical T-I Derating Form**

Model	Ambient Temperature (°C)								
	-40	-20	0	25	40	50	60	70	85
PS90-020	0.30	0.26	0.24	0.20	0.16	0.15	0.13	0.10	0.08
PS90-025	0.38	0.33	0.28	0.25	0.21	0.18	0.16	0.14	0.10
PS90-035	0.54	0.46	0.42	0.35	0.28	0.26	0.23	0.20	0.14
PS90-055	0.86	0.76	0.66	0.55	0.46	0.42	0.36	0.31	0.24
PS90-075	1.16	1.00	0.92	0.75	0.62	0.56	0.50	0.42	0.30
PS90-090	1.42	1.24	1.08	0.90	0.74	0.66	0.58	0.50	0.36



- A=PS90-020
- B=PS90-025
- C=PS90-035
- D=PS90-055
- E=PS90-075
- F=PS90-090

