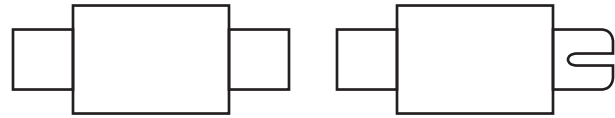


PPTC
Type PSxxx

Δ Feature

- Fuse Capacitor (Replaces traditional fuses in DC applications)
- Auto Reset (when power is cycled)



Δ Application

- Rechargeable Nicad, Lithium Battery Packs.

Δ Electrical Characteristics

Model	Vmax (V)	Ro (Ω)	IT (A)	Tt (S)	IH (A)
PS070	15	0.100-0.200	1.45	≤5.0	0.70
PS100	24	0.070-0.130	2.50	≤7.0	1.00
PS120	15	0.085-0.160	2.70	≤5.0	1.20
PS-CW120	15	0.085-0.160	2.70	≤3.0	1.20
PS-CW170	15	0.030-0.052	3.40	≤3.0	1.70
PS175	15	0.050-0.090	3.80	≤5.0	1.75
PS-CW175	15	0.029-0.051	3.80	≤5.0	1.75
PS180	24	0.040-0.068	3.80	≤2.9	1.80
PS190	24	0.030-0.057	4.20	≤3.0	1.90
PS200	24	0.030-0.060	4.40	≤4.0	2.00
PS-CW200	15	0.022-0.039	4.50	≤5.0	2.00
PS-CW210	15	0.018-0.030	4.70	≤5.0	2.10
PS-CW240	15	0.014-0.026	5.40	≤4.0	2.40
PS-CW250	15	0.017-0.046	5.20	≤10.0*	2.50
PS260	24	0.025-0.042	5.20	≤5.0	2.60
PS300	24	0.015-0.031	6.30	≤4.0	3.00
PS310	24	0.018-0.030	6.00	≤5.0	3.10
PS340	24	0.016-0.027	6.80	≤5.0	3.40
PS350	24	0.017-0.031	6.30	≤3.0**	3.50
PS420	24	0.012-0.024	7.60	≤6.0	4.20

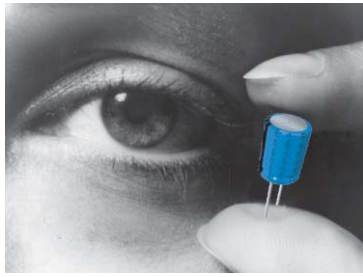
Note: All PS listed on this page have
I_{max} (A): 100
t_c (S): ≤60

Legend

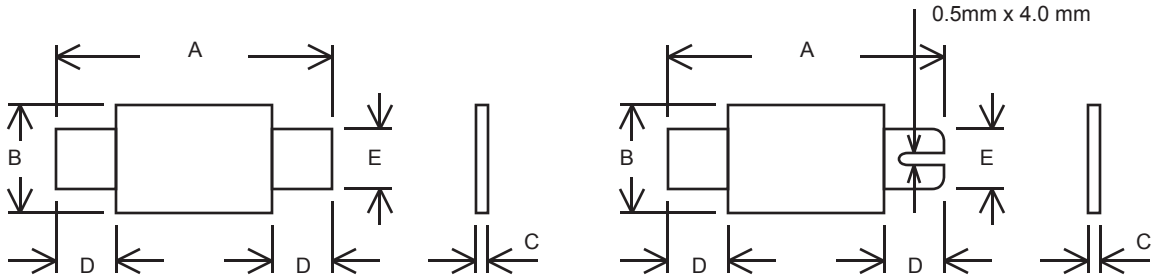
- IH(A):** Hold current: maximum current at which the device will not trip at 25°C still air
- IT(A):** Tripping current: minimum current at which the device will trip at 25°C under specified conditions.
- TT(S):** Maximum time to trip at specified current. (generally at 5IH)
- Vmax(V):** Maximum device operating voltage.
- I_{max}(A):** Maximum fault current device can withstand without damage at rated voltage.
- Pd_{typ}(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
PS070	1.32	1.21	0.99	0.70	0.63	0.60	0.50	0.39	0.26
PS100	2.00	1.73	1.52	1.00	0.99	0.85	0.75	0.61	0.40
PS120	1.95	1.74	1.54	1.20	1.07	0.98	0.87	0.76	0.58
PS-CW170	3.20	2.70	2.20	1.70	1.30	1.10	0.80	0.60	-
PS175	2.57	2.36	2.07	1.75	1.59	1.39	1.27	1.18	0.99
PS-CW175	3.20	2.70	2.20	1.75	1.30	1.00	0.80	0.50	-
PS180	3.23	2.88	2.35	1.80	1.48	1.20	1.10	0.75	0.45
PS190	3.50	3.00	2.51	1.90	1.60	1.35	1.20	0.88	0.52
PS200	3.28	2.88	2.59	2.00	1.81	1.70	1.52	1.31	1.02
PS-CW200	3.70	3.20	2.60	2.00	1.50	1.20	0.90	0.50	-
PS-CW210	4.10	3.50	2.90	2.10	1.60	1.30	1.00	0.70	-
PS-CW240	4.40	3.70	3.10	2.40	1.80	1.50	1.20	0.90	-
PS-CW250	4.60	3.90	3.30	2.50	1.90	1.60	1.40	1.20	-
PS260	4.40	3.80	3.19	2.60	2.10	1.80	1.49	1.19	0.70
PS300	5.20	4.49	3.78	3.00	2.39	2.04	1.70	1.35	0.78
PS310	5.46	4.68	3.80	3.10	2.45	2.11	1.80	1.40	0.80
PS340	5.60	4.88	4.10	3.40	2.70	2.33	2.00	1.60	0.89
PS350	5.51	4.89	4.42	3.50	3.00	2.89	2.62	2.28	1.79
PS420	6.53	5.81	5.20	4.20	3.69	3.38	3.10	2.75	2.24



PPTC
Type PSxxx

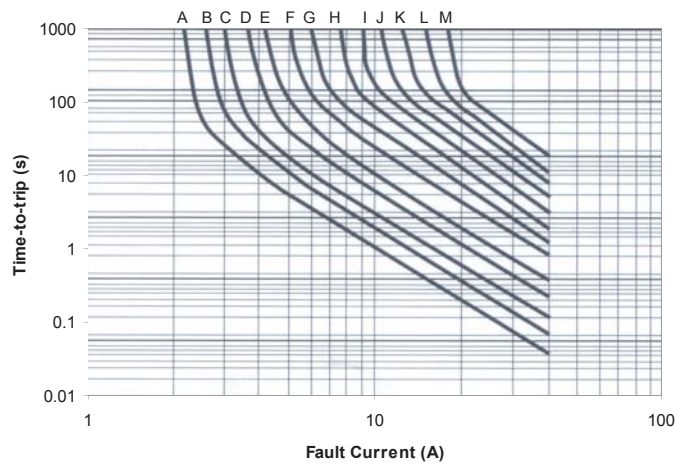
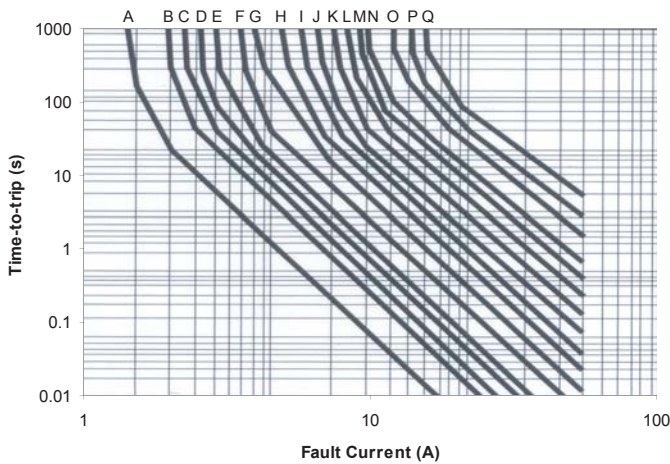


Δ Dimensions

units: mm

Model	A _{typ} (mm)	B _{typ} (mm)	C _{typ} (mm)	D _{typ} (mm)	E _{typ} (mm)
PS070	20.0	5.2	0.9	6.0	4.0
PS100	20.0	5.2	0.8	6.0	4.0
PS120	20.0	5.2	0.8	6.0	4.0
PS-CW120	22.0	7.3	1.0	5.0	4.0
PS-CW170	17.5	5.2	1.0	5.0	4.0
PS175	22.0	3.8	0.8	5.0	3.2
PS-CW175	22.0	5.2	1.0	5.0	4.0
PS180	22.0	8.2	0.8	5.0	5.0
PS190	22.0	8.2	0.8	6.2	5.0
PS200	22.0	3.8	0.8	6.2	3.2
PS-CW200	25.0	5.3	1.0	5.0	4.0
PS-CW210	23.1	5.3	1.0	5.0	4.0
PS-CW240	33.0	5.3	1.0	5.0	4.0
PS-CW250	43.0	5.3	1.0	13.0	5.0
PS260	22.0	8.2	0.8	6.2	5.0
PS300	27.0	13.3	0.8	6.0	5.0
PS310	27.0	13.3	0.8	6.0	5.0
PS340	27.0	13.3	0.8	6.0	5.0
PS350	27.0	13.3	0.8	6.0	5.0
PS420	31.0	13.3	0.8	6.3	5.0

Surface Mount Capacitors



- A=PS60-010 E=PS60-030 I=PS60-075 M=PS60-160
- B=PS60-017 F=PS60-040 J=PS60-090 N=PS60-185
- C=PS60-020 G=PS60-050 K=PS60-110 O=PS60-250
- D=PS60-025 H=PS60-065 L=PS60-135 P=PS60-300
- Q=PS60-375

- A=PS30-090 D=PS30-160 G=PS30-300 J=PS30-600
- B=PS30-110 E=PS30-185 H=PS30-400 K=PS30-700
- C=PS30-135 F=PS30-250 I=PS30-500 L=PS30-800
- M=PS30-900