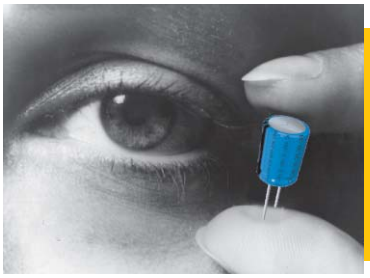
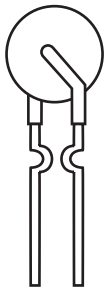


Poly Switch PPTC (Polymeric Positive Temperature Coefficient) Resettable Fuse Capacitor Type PS60



Δ Feature:

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

Δ Application:

- Energy-Saving Lamps, Ballast, Loudspeakers, Power Supply,
- Motor, Fans, Compressor and other power related applications.

Δ Electrical Characteristics

Model	Ro (Ω)	IT (A)	TT (S)	IH (A)
PS60-005	7.30-11.10	0.15	≤5.0	0.05
PS60-010	2.50-4.50	0.20	≤8.0	0.10
PS60-017	2.00-3.20	0.34	≤5.0	0.17
PS60-020	1.50-2.84	0.40	≤3.6	0.20
PS60-025	1.00-1.95	0.50	≤3.2	0.25
PS60-030	0.76-1.36	0.60	≤3.0	0.30
PS60-040	0.52-0.86	0.80	≤3.8	0.40
PS60-050	0.41-0.77	1.00	≤4.0	0.50
PS60-065	0.27-0.48	1.30	≤5.3	0.65
PS60-075	0.18-0.40	1.50	≤6.3	0.75
PS60-090	0.14-0.31	1.80	≤7.2	0.90
PS60-110	0.14-0.25	2.20	≤8.2	1.10
PS60-135	0.12-0.19	2.70	≤9.6	1.35
PS60-160	0.09-0.14	3.20	≤11.4	1.60
PS60-185	0.08-0.12	3.70	≤12.6	1.85
PS60-250	0.05-0.08	5.00	≤15.6	2.50
PS60-300	0.04-0.06	6.00	≤19.8	3.00
PS60-375	0.03-0.05	7.50	≤24.0	3.75

Note: All PS60-xxx listed on this page have
Vmax (V): 60
Imax (A): 40
τc (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.

Imax(A): Maximum fault current device can withstand without damage at rated voltage.

Pdtyp(W): Typical power dissipation: Typical amount of power dissapated 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
PS60-005	0.077	0.069	0.061	0.050	0.044	0.040	0.036	0.032	0.025
PS60-010	0.18	0.15	0.13	0.10	0.08	0.07	0.06	0.05	0.03
PS60-017	0.28	0.24	0.20	0.17	0.14	0.12	0.10	0.09	0.06
PS60-020	0.34	0.29	0.25	0.20	0.16	0.14	0.13	0.10	0.07
PS60-025	0.42	0.36	0.31	0.25	0.20	0.18	0.16	0.12	0.09
PS60-030	0.52	0.44	0.38	0.30	0.24	0.22	0.18	0.14	0.10
PS60-040	0.66	0.57	0.50	0.40	0.32	0.29	0.24	0.20	0.14
PS60-050	0.83	0.74	0.63	0.50	0.41	0.36	0.30	0.25	0.18
PS60-065	1.10	0.95	0.82	0.65	0.53	0.47	0.40	0.33	0.24
PS60-075	1.26	1.11	0.95	0.75	0.61	0.54	0.45	0.39	0.28
PS60-090	1.52	1.30	1.15	0.90	0.73	0.65	0.55	0.47	0.33
PS60-110	1.82	1.60	1.35	1.10	0.89	0.79	0.65	0.55	0.40
PS60-135	2.20	1.91	1.65	1.35	1.09	0.96	0.80	0.68	0.50
PS60-160	2.60	1.95	1.95	1.60	1.30	1.13	1.00	0.80	0.60
PS60-185	3.00	2.30	2.30	1.85	1.50	1.33	1.12	0.92	0.67
PS60-250	4.05	3.02	3.02	2.50	2.02	1.80	1.55	1.30	0.90
PS60-300	4.82	3.62	3.62	3.00	2.43	2.16	1.85	1.50	1.09
PS60-375	6.02	4.50	4.50	3.75	3.02	2.68	2.30	1.95	1.39

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Poly Switch PPTC (Polymeric Positive Temperature Coefficient) Resettable Fuse Capacitor
Type PS60

∆ Dimensions

Model	Amax (mm)	Bmax (mm)	Cmax (mm)	Dtyp (mm)	Diameter of Lead (mm)	Fig.
PS60-005	6.0	11.0	3.1	5.1	Φ0.6	1
PS60-010	6.0	11.0	3.1	5.1	Φ0.6	1
PS60-017	6.0	11.5	3.1	5.1	Φ0.6	1
PS60-020	6.0	11.5	3.1	5.1	Φ0.6	1
PS60-025	6.5	11.5	3.1	5.1	Φ0.6	1
PS60-030	8.0	13.5	3.1	5.1	Φ0.6	1
PS60-040	8.0	14.0	3.1	5.1	Φ0.6	1
PS60-050	8.0	14.0	3.1	5.1	Φ0.6	1
PS60-065	10.0	14.5	3.1	5.1	Φ0.6	1
PS60-075	11.0	15.5	3.1	5.1	Φ0.6	1
PS60-090	12.0	16.5	3.1	5.1	Φ0.6	1
PS60-110	13.0	17.0	3.1	5.1	Φ0.6	1
PS60-135	16.0	18.0	3.1	5.1	Φ0.6	2
PS60-160	17.0	20.0	3.1	5.1	Φ0.8	2
PS60-185	18.0	23.0	3.1	5.1	Φ0.8	2
PS60-250	21.5	23.5	3.1	10.2	Φ0.8	2
PS60-300	25.0	27.5	3.1	10.2	Φ0.8	2
PS60-375	28.5	32.5	3.1	10.2	Φ0.8	2

Fig. 1

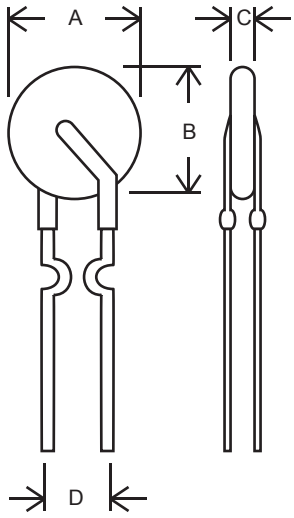
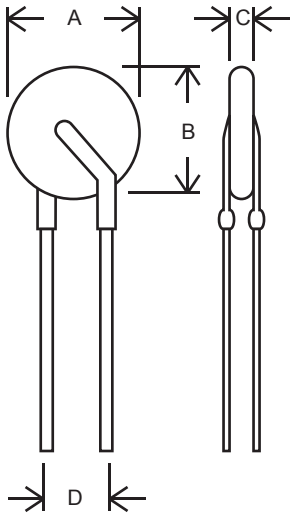


Fig. 2



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