

Poly Switch PPTC (Polymeric Positive Temperature Coefficient) Resettable Fuse Capacitor
Type PS250/600

△ Feature:

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



△ Application:

- LAN Equipment, MDF Modules, Mobile Phones,
- DSL Modems and other Telcom & Network Equipment.

△ Electrical Characteristics

Model	Vmax (V)	Ro (Ω)	IT (A)	TT(S)		IH (A)
				I (A)	(S)	
PS250-080F	60	14.00-22.00	0.16	1	≤0.5	0.08
PS250-080N	60	14.00-22.00	0.16	1	≤0.5	0.08
PS250-100F	60	12.00-18.00	0.2	1	≤0.5	0.1
PS250-100N	60	12.00-18.00	0.2	1	≤0.5	0.1
PS250-110F	60	6.00-12.00	0.22	1	≤1.0	0.11
PS250-110N	60	6.00-12.00	0.22	1	≤1.0	0.11
PS250-120F	60	4.00-12.00	0.24	1	≤2.0	0.12
PS250-120N	60	6.00-12.00	0.24	1	≤2.0	0.12
PS250-130F	60	4.00-10.00	0.26	1	≤2.0	0.13
PS250-145F/U	60	3.00-8.00	0.29	1	≤3.0	0.145
PS250-160F	60	2.00-6.00	0.32	3	≤3.0	0.16
PS250-180U	60	0.80-2.00	0.6	3	≤3.0	0.18
PS250-180F	60	0.80-2.00	0.6	3	≤3.0	0.18
PS600-150N	60	6.00-12.00	0.3	3	≤1.0	0.15
PS600-150F	60	6.00-12.00	0.3	3	≤1.0	0.15
PS600-160F	60	4.00-10.00	0.32	3	≤2.0	0.16

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.

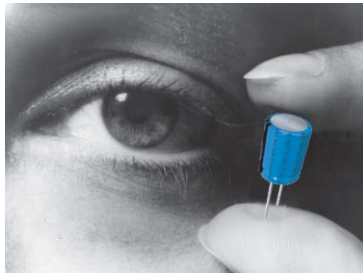
TT(S): Maximum time to trip at specified current. (generally at 5IH)

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.



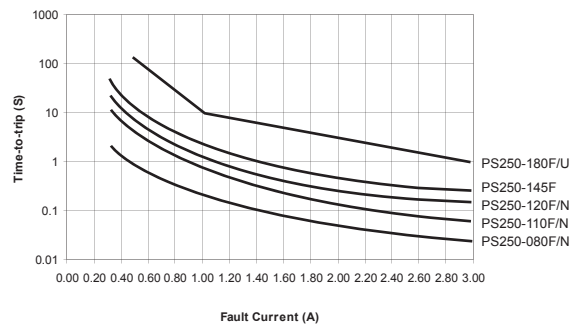
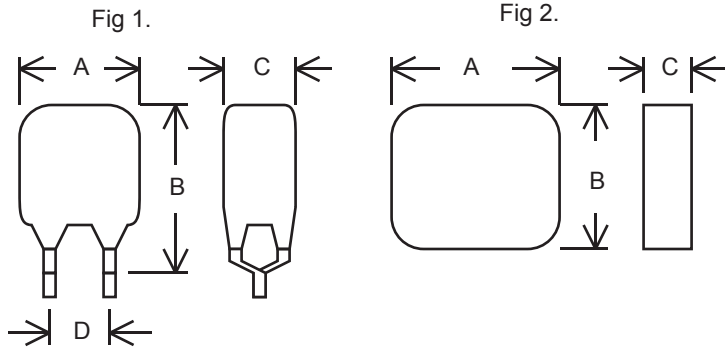
Fixed Component Capacitors

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Δ Typical T-I Derating Form

Model	Ambient Temperature (°C)								
	-40	-20	0	25	40	50	60	70	85
PS250-080F/N	0.124	0.110	0.095	0.800	0.066	0.059	0.051	0.044	0.033
PS250-100F/N	0.166	0.146	0.128	0.100	0.086	0.075	0.065	0.056	0.043
PS250-110F/N	0.171	0.151	0.131	0.110	0.091	0.081	0.071	0.061	0.046
PS250-120F/N	0.191	0.170	0.148	0.120	0.104	0.093	0.082	0.071	0.055
PS250-130F	0.204	0.185	0.160	0.130	0.116	0.105	0.091	0.080	0.060
PS250-145F/U	0.225	0.199	0.172	0.145	0.119	0.106	0.093	0.080	0.060
PS250-160F/U	0.250	0.220	0.195	0.160	0.137	0.123	0.110	0.095	0.074
PS250-180F	0.269	0.240	0.211	0.180	0.153	0.138	0.123	0.109	0.087
PS600-150F/N	0.238	0.211	0.183	0.150	0.128	0.115	0.101	0.088	0.067
PS600-160F	0.250	0.220	0.195	0.160	0.137	0.123	0.110	0.095	0.074

Δ Dimensions



Model	Amax (mm)	Bmax (mm)	Cmax (mm)	Dtyp (mm)	Diameter of Lead (mm)	Fig.
PS250-080F	7.0	10.0	4.6	5.1	Φ0.6	1
PS250-080N	6.0	6.0	2.5	-	-	2
PS250-100F	7.0	10.0	4.6	5.1	Φ0.6	1
PS250-100N	6.0	6.0	2.5	-	-	2
PS250-110F	7.0	10.0	4.6	5.1	Φ0.6	1
PS250-110N	6.0	6.0	2.5	-	-	2
PS250-120F	7.0	10.0	4.6	5.1	Φ0.6	1
PS250-120N	6.0	6.0	2.5	5.1	Φ0.6	2
PS250-130F	7.5	11.0	4.6	5.1	Φ0.6	1
PS250-145F/U	7.5	11.0	4.6	5.1	Φ0.6	1
PS250-160F	11.5	12.0	4.6	5.1	Φ0.6	1
PS250-180U	11.0	12.0	4.6	5.1	Φ0.6	1
PS250-180F	11.5	12.0	4.6	5.1	Φ0.6	1
PS600-150N	13.5	12.0	6.5	5.1	Φ0.6	2
PS600-150F	13.5	12.0	6.5	5.1	Φ0.6	1
PS600-160F	13.5	16.0	6.5	5.1	Φ0.6	1