

GP06 Series PPTC Thermistors (PPTC Resettable Fuses)

Shenzhen Goodpoly Electron Co., Ltd.

Radial leaded devices

Very high voltage surge capabilities

Available in lead-free version

Agency Recognition: UL、TUV



Electrical Characteristics

Model	V _{max} (v)	R ₀ (Ω)	I _T (A)	I _{max} (A)	T _T (s)	I _H (A)
GP06-075	6	0.14-0.23	1.30	40	0.4	0.75
GP06-090	6	0.10-0.18	1.80	40	1.2	0.90
GP06-110	6	0.08-0.14	2.20	40	2.3	1.10
GP06-120	6	0.08-0.14	2.00	40	3.5	1.20
GP06-135	6	0.06-0.12	2.70	40	4.5	1.35
GP06-160	6	0.05-0.11	3.20	40	9.0	1.60
GP06-185	6	0.05-0.09	3.70	40	10.0	1.85
GP06-250	6	0.03-0.06	5.00	40	10.0	2.50

V_{max} (V): Maximum device operating voltage.

R₀ (Ω): Minimum ~ maximum device resistance at 25 °C prior to tripping.

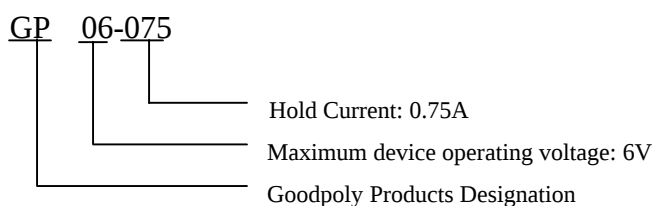
I_T (A): Tripping current: minimum current at which the device will trip at 25 °C under specified condition.

I_{max} (A): Maximum fault current device can withstand without damage at rated voltage.

T_T (S): Maximum time to trip at specified current. (Devices tested at 40A. The others tested at 5I_H)

I_H (A): Hold current: maximum current at which the device will not trip at 25 °C still air.

Part Numbering System



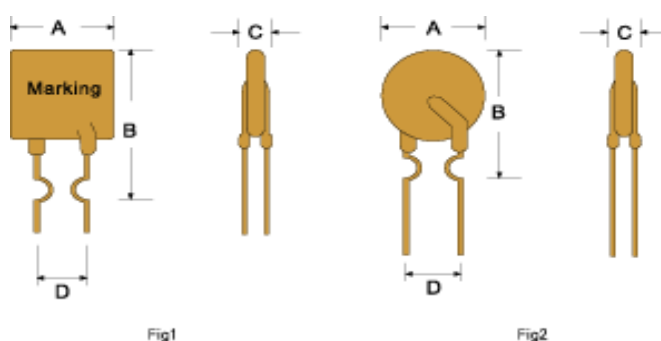


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Dimensions

Model	Amax (mm)	Bmax (mm)	Cmax (mm)	Dtyp (mm)	Diameter of Lead (mm)	Fig.
GP06-075	6.9	11.4	3.1	5.1	Φ0.6	2
GP06-090	7.4	14.0	3.1	5.1	Φ0.6	1
GP06-110	7.9	14.2	3.1	5.1	Φ0.6	1
GP06-120	7.4	12.6	3.1	5.1	Φ0.6	2
GP06-135	8.9	14.5	3.1	5.1	Φ0.6	1
GP06-160	8.9	17.9	3.1	5.1	Φ0.6	1
GP06-185	10.7	16.7	3.1	5.1	Φ0.6	1
GP06-250	11.5	20.4	3.1	5.1	Φ0.6	1



Typical T-I Derating Form

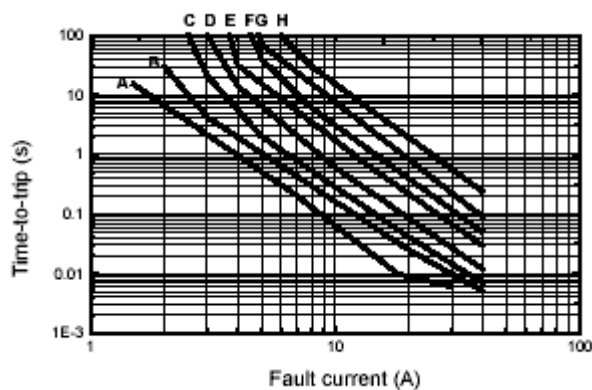
Model	Ambient Temperature()								
	-40	-20	0	25	40	50	60	70	85
GP06-075	1.05	0.95	0.85	0.75	0.65	0.60	0.55	0.50	0.43
GP06-090	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
GP06-110	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
GP06-120	1.69	1.52	1.36	1.20	1.04	0.96	0.88	0.80	0.68
GP06-135	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
GP06-160	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
GP06-185	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
GP06-250	3.82	3.44	3.03	2.50	2.17	2.00	1.81	1.59	1.39

Typical T-I Charts at 25



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A=GP06-075

B=GP06-090

C=GP06-110

D=GP06-120

E=GP06-135

F=GP06-160

G=GP06-185

H=GP06-250