



Features

- Radial leaded devices
- Cured, flame retardant epoxy polymer insulating material meets UL94 V-0 requirements
- Available in lead-free version
- Agency Recognition: UL、CSA、TUV

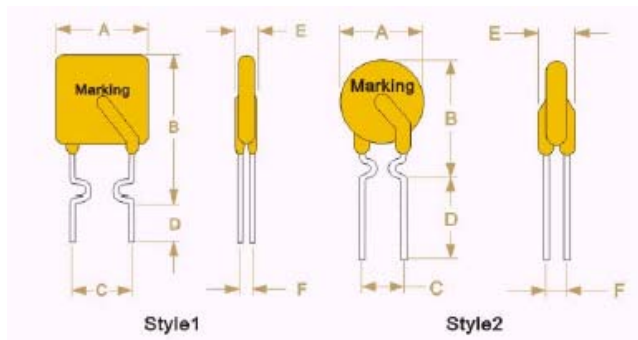


LP06 series

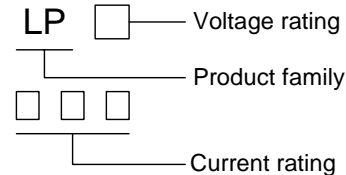
R-line devices

Product Dimensions

Part number	A	B	C	D	E	F	Lead	
	Max.	Max.	Typ.	Min.	Max.	Typ.	Style	Size(φ)
LP06-075F	6.4	11.4	5.1	7.6	3.0	0.8	2	0.6
LP06-090F	6.6	14.0	5.1	7.6	3.0	0.9	1	0.6
LP06-110F	7.9	14.2	5.1	7.6	3.0	0.9	1	0.6
LP06-120F	7.4	12.6	5.1	7.6	3.0	0.8	2	0.6
LP06-135F	8.9	14.5	5.1	7.6	3.0	0.9	1	0.6
LP06-160F	8.9	17.9	5.1	7.6	3.0	0.9	1	0.6
LP06-185F	10.7	16.7	5.1	7.6	3.0	0.9	1	0.6
LP06-250F	11.5	20.4	5.1	7.6	3.0	0.9	1	0.6



Marking system



* Lead materials: Tin-plate metal wire.

* Lead-free devices are available,
the right logo is lead-free mark of wayon.



Electrical Characteristics

Part number	I _H (A)	I _T (A)	T _{trip} (S)	V _{max} (V)	I _{max} (A)	Pd _{typ} (W)	R _{min} (Ω)	R _{max} (Ω)
LP06-075F	0.75	1.30	0.4	6	40	0.30	0.14	0.23
LP06-090F	0.90	1.80	1.2	6	40	0.60	0.10	0.18
LP06-110F	1.10	2.20	2.3	6	40	0.70	0.08	0.14
LP06-120F	1.20	2.00	3.5	6	40	0.60	0.08	0.14
LP06-135F	1.35	2.70	4.5	6	40	0.81	0.06	0.12
LP06-160F	1.60	3.20	9.0	6	40	0.90	0.05	0.11
LP06-185F	1.85	3.70	10.0	6	40	1.00	0.05	0.09
LP06-250F	2.50	5.00	10.0	6	40	1.21	0.03	0.06

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

I_T =Trip current: minimum current at which the device will always trip at 25°C still air.

V_{max} =Maximum voltage device can withstand without damage at rated current.

I_{max} =Maximum fault current device can withstand without damage at rated voltage.

T_{trip} =Maximum time to trip at 5 times hold current (i.e. $5 \cdot I_H$).

P_{dtyp} =Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R_{min} =Minimum device resistance at 25°C prior to tripping.

R_{max} =Maximum device resistance at 25°C prior to tripping.

Thermal Derating Chart- $I_H(A)$

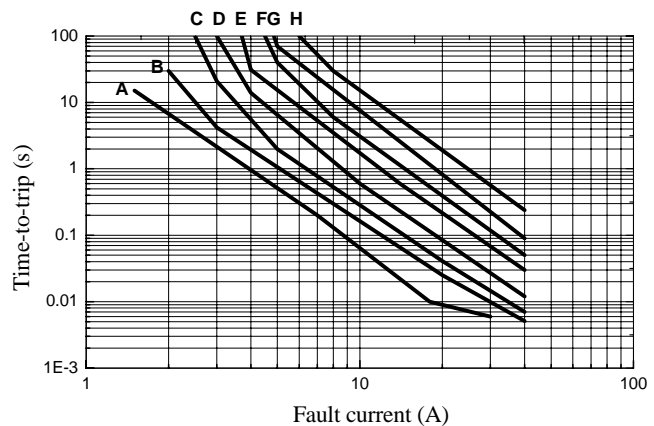
Part number	Maximum ambient operating temperatures(°C)								
	-40	-20	0	25	40	50	60	70	85
LP06-075F	1.05	0.95	0.85	0.75	0.65	0.60	0.55	0.50	0.43
LP06-090F	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
LP06-110F	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
LP06-120F	1.69	1.52	1.36	1.20	1.04	0.96	0.88	0.80	0.68
LP06-135F	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
LP06-160F	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
LP06-185F	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
LP06-250F	3.82	3.44	3.03	2.50	2.17	2.00	1.81	1.59	1.39

Test Procedures And Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25°C	$R_{min} \leq R \leq R_{max}$
Time to Trip	Specified current, V_{max} , 25°C	$T \leq$ maximum Time to Trip
Hold Current	30min, at I_H	No trip
Trip Cycle Life	V_{max} , I_{max} , 100cycles	No arcing or burning
Trip Endurance	V_{max} , 24hours	No arcing or burning

Typical Time-to-Trip Charts at 25°C

- A=LP06-075F
- B=LP06-090F
- C=LP06-110F
- D=LP06-120F
- E=LP06-135F
- F=LP06-160F
- G=LP06-185F
- H=LP06-250F



Package Information

Bulk:

LP06-075F~LP06-250F.....1000pcs per bag

Tape & Reel:

LP06-075F~LP06-250F.....3000pcs per reel