



Features

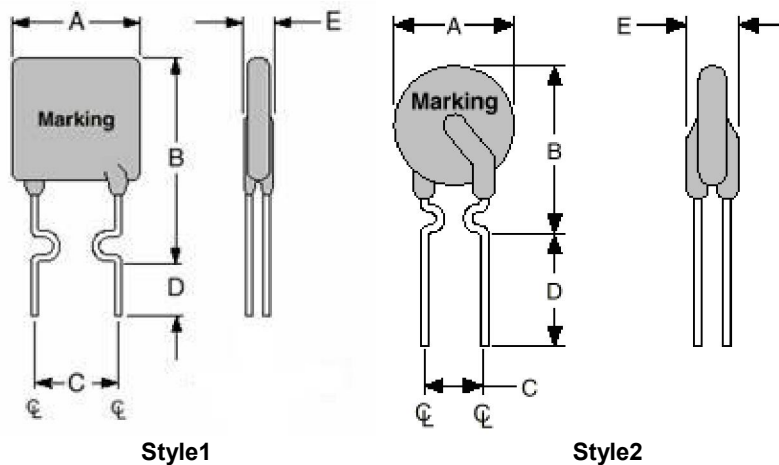
- Radial leaded devices
- Rated voltage up to 6V
- UL94 V-0 insulating material
- Agency Recognition: UL、CSA
- Lead-free and compliant with the European Union RoHS Directive 2011/65/EU



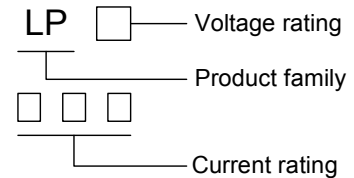
LP06 series

Product Dimensions

Part number	A		B		C		D		E		Lead	
	Max.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Style	Size(φ)		
LP06-075F	6.5	11.5	4.4	5.8	7.6	3.0	2	0.5				
LP06-090F	6.0	14.0	4.4	5.8	7.6	3.0	1	0.5				
LP06-110F	8.2	14.2	4.4	5.8	7.6	3.0	1	0.5				
LP06-120F	7.7	12.7	4.4	5.8	7.6	3.0	2	0.5				
LP06-135F	9.0	14.5	4.4	5.8	7.6	3.0	1	0.5				
LP06-160F	9.0	17.0	4.4	5.8	7.6	3.0	1	0.5				
LP06-185F	11.0	16.7	4.4	5.8	7.6	3.0	1	0.5				
LP06-250F	11.2	20.0	4.4	5.8	7.6	3.0	1	0.5				



Marking system



* Lead materials: Tin-plate metal wire.

Electrical Characteristics

Part number	I_H (A)	I_T (A)	Max. Time-to-trip		V_{max} (V)	I_{max} (A)	Pd_{typ} (W)	R_{min} (Ω)	R_{max} (Ω)	R_{1max} (Ω)
			Current(A)	Time(s)						
LP06-075F	0.75	1.50	8.00	0.4	6	40	0.30	0.14	0.23	0.44
LP06-090F	0.90	1.80	8.00	1.2	6	40	0.60	0.10	0.18	0.33
LP06-110F	1.10	2.20	8.00	2.3	6	40	0.70	0.08	0.14	0.26
LP06-120F	1.20	2.40	6.00	3.5	6	40	0.60	0.08	0.14	0.26
LP06-135F	1.35	2.70	8.00	4.5	6	40	0.81	0.06	0.12	0.21
LP06-160F	1.60	3.20	8.00	9.0	6	40	0.90	0.05	0.11	0.19
LP06-185F	1.85	3.70	9.25	10.0	6	40	1.00	0.05	0.09	0.16
LP06-250F	2.50	5.00	8.00	40.0	6	40	1.21	0.03	0.06	0.10

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.

Max. Time-to-trip = Maximum time to trip(s) at assigned current.

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.

R_{1max} = Maximum resistance of device when measured one hour post trip at 25°C.

Thermal Derating Chart- $I_H(A)$

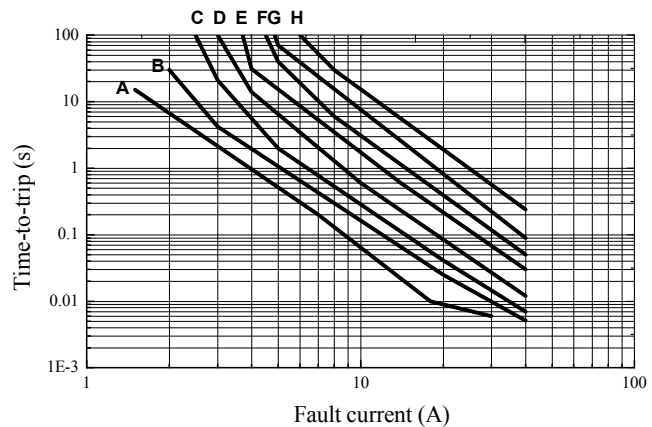
Part number	Maximum ambient operating temperatures(°C)								
	-40	-20	0	25	40	50	60	70	85
LP06-075F	1.05	0.95	0.85	0.75	0.65	0.60	0.55	0.50	0.43
LP06-090F	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
LP06-110F	1.69	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
LP06-120F	1.75	1.52	1.36	1.20	1.04	0.96	0.88	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} , 2hours	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~LP06-160F.....1000pcs per bag

LP06-185F~LP06-250F.....500pcs per bag

Tape & Reel:

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