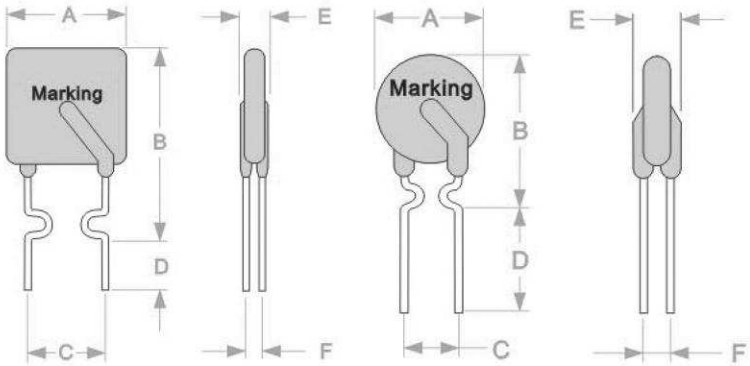
ESKA Fuses

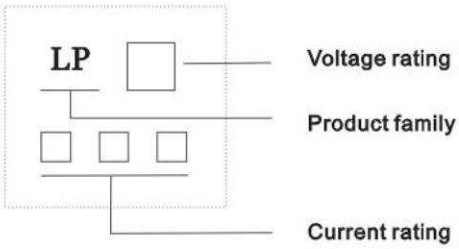
■Product Dimensions(mm)

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



Style1 Style2

■Part Marking System



※Lead materials:Tin-plate metal wire.

※Lead-free devices are available.

■Electrical Characteristics

Part Number	I_H	I_T	T_{trip}	V_{max}	I_{max}	Pd_{typ}	R_{min}	R_{max}
	(A)	(A)	(S)	(V)	(A)	(W)	(Ω)	(Ω)
LP06-075	0.75	1.30	0.4	6	40	0.30	0.14	0.23
LP06-090	0.90	1.80	1.2	6	40	0.60	0.10	0.18
LP06-110	1.10	2.20	2.3	6	40	0.70	0.08	0.14
LP06-120	1.20	2.00	3.5	6	40	0.60	0.08	0.14
LP06-135	1.35	2.70	4.5	6	40	0.81	0.06	0.12
LP06-160	1.60	3.20	9.0	6	40	0.90	0.05	0.11
LP06-185	1.85	3.70	10.0	6	40	1.00	0.05	0.09
LP06-250	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℃ still air.

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

●T_{trip}=Maximum time to trip(s) at 5*I_H.

●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.

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

●R_{min}=Minimum device resistance at 25℃ prior to tripping.

●R_{max}=Maximum device resistance at 25℃ prior to tripping.

■Thermal Derating Chart-I_H(A)

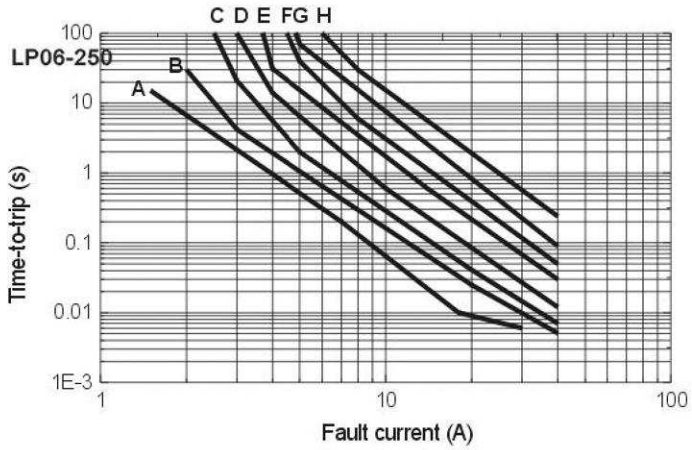
Part Number	Maximum ambient operating temperatures(℃)								
	-40	-20	0	25	40	50	60	70	85
LP06-075	1.05	0.95	0.85	0.75	0.65	0.60	0.55	0.50	0.43
LP06-090	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
LP06-110	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
LP06-120	1.69	1.52	1.36	1.20	1.04	0.96	0.88	0.80	0.68
LP06-135	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
LP06-160	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
LP06-185	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
	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℃	$R_{min} \leqslant R \leqslant R_{max}$
Time to Trip	5 time I_H, V_{max}, 25℃	T≤max. Time to trip(T_{trip})
Hold Current	30 min, at I_H	No trip
Trip Cycle Life	V_{max}, I_{max}, 100cycles	No arcing or buring
Trip Endurance	V_{max}, 24hours	No arcing or buring

■Typical Time-to-Trip Charts at 25℃

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



■Agency Recognition

UL、CSA.....E 202125

■Package Information

Bulk:

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

Tape & Reel:

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