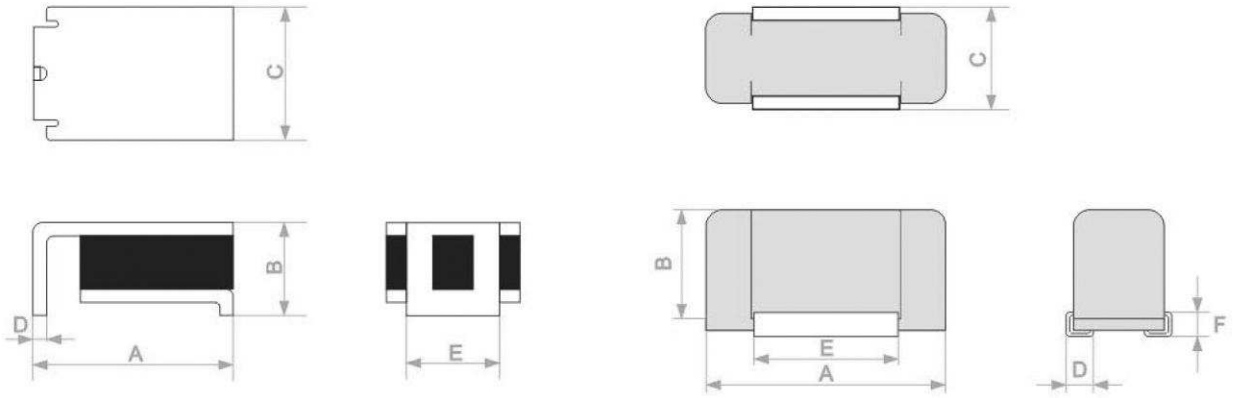
ESKA Fuses

■Product Dimensions(mm)

Part Number	A Max.	B Max.	C Max.	D Min.	E Typ.(*Max)	F Max.	Fig
LM080	9.4	3.4	7.4	0.3	3.8		1
LM130	9.4	3.4	7.4	0.3	3.8		1
LMV170	19.4	12.3	8.3	1.6	*10.4	2.3	2
LMV200	19.4	12.3	8.3	1.6	*10.4	2.3	2



■Electrical Characteristics

Part Number	I_H (A)	I_T (A)	T_{trip} Current(A)	T_{trip} Time(S)	$V_{max\ interrupt}$ (V)	I_{max} (A)	Pd_{typ} (W)	R_{min} (Ω)	R_{max} (Ω)
LM080	0.080	0.160	1.00	0.45	250	3.0	1.00	14.0	22.0
LM130	0.130	0.260	1.00	0.90	250	3.0	3.00	6.5	12.0
LMV170	0.170	0.340	1.00	10.00	600	3.0	2.50	4.0	9.0
LMV200	0.200	0.400	1.00	12.00	600	3.0	2.50	4.0	7.5

- 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}=Typical time to trip(s) at assigned current.
- $V_{max\ interrupt}$=Maximum interrupt voltage device can withstand without damage at rated current.
- I_{max}=Maximum fault current device can withstand without damage at rated voltage.
- Pd_{typ} =Power dissipated from device when in the tripped state in 25℃ still 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
LM080	0.124	0.110	0.095	0.080	0.066	0.059	0.051	0.044	0.033
LM130	0.208	0.182	0.156	0.130	0.104	0.091	0.078	0.065	0.045
LMV170	0.264	0.230	0.200	0.170	0.140	0.125	0.100	0.094	0.070
LMV200	0.310	0.275	0.238	0.200	0.165	0.147	0.128	0.110	0.083

■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	Specified current, 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

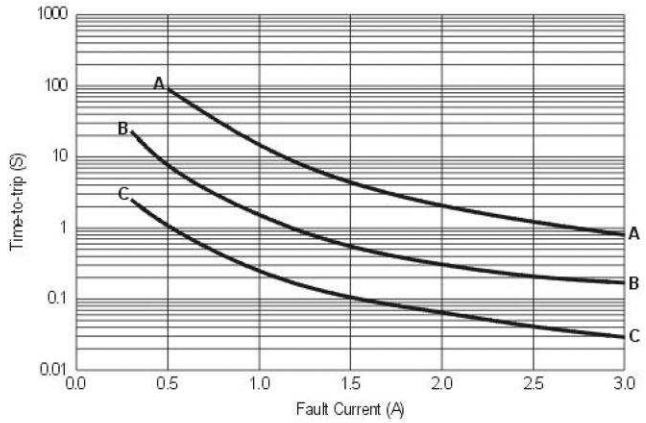
■Typical Time-to-Trip Charts at 25℃

A=LMV170

A=LMV200

B=LM130

C=LM080



■Agency Recognition

UL、CSA.....E 202125

■Package Information

Bulk:

- LM.....1000pcs per bag
- LMV.....500pcs per bag

Tape & Reel:

- LM.....1500pcs per reel
- LMV.....1000pcs per reel