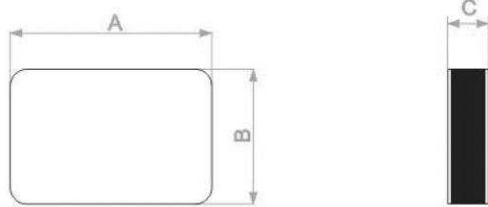


# ESKA Fuses

## Product Dimensions(mm)

Part Number	A		B		C	
	Min	Max	Min	Max	Min	Max
LC080	5.0	5.9	5.0	5.9	1.8	2.8
LC120	5.0	5.9	5.0	5.9	1.8	2.8
LC145	5.0	5.9	5.0	5.9	1.8	2.8
LC180		10.4		6.6		2.8



## Electrical Characteristics

Part Number	$I_H$	$I_T$	$T_{trip}$		$V_{max\ interrupt}$	$V_{op}$	$I_{max}$	$Pd_{typ}$	$R_{min}$	$R_{max}$
	(A)	(A)	Current(A)	Time(S)	(V)	(V)	(A)	(W)	( $\Omega$ )	( $\Omega$ )
LC080	0.080	0.160	1.0	1.0	250	60	3.0	1.0	14.0	20.0
LC120	0.120	0.240	1.0	1.2	250	60	3.0	1.0	8.0	18.0
LC145	0.145	0.290	1.0	1.5	250	60	3.0	1.0	5.0	16.0
LC180	0.180	0.360	1.0	2.0	250	60	10.0	1.0	0.8	4.0

- $I_H$ =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.
- $T_{trip}$ =Maximum time to trip(s) at assigned current.
- $V_{max\ interrupt}$ =Maximum interrupt voltage device can withstand without damage at rated current.
- $V_{op}$ =Operating 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°C still 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)

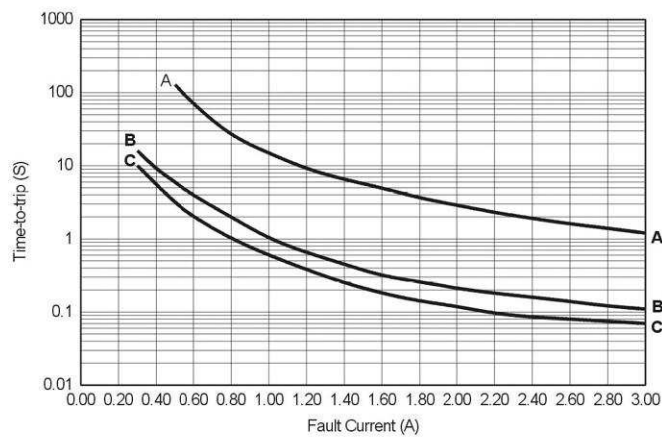
Part Number	Maximum ambient operating temperatures(°C)								
	-40	-20	0	25	40	50	60	70	85
LC080	0.146	0.125	0.103	0.080	0.059	0.048	0.037	0.026	0.010
LC120	0.186	0.165	0.143	0.120	0.099	0.088	0.077	0.066	0.050
LC145	0.225	0.199	0.172	0.145	0.119	0.106	0.093	0.080	0.060
LC180	0.269	0.240	0.211	0.180	0.153	0.138	0.123	0.109	0.087

## 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	$T \leq \text{max. Time to trip}(T_{trip})$
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°C

A=LC180  
B=LC145  
C=LC120



## Agency Recognition

UL, CSA.....E 202125



## Package Information

Bulk:

●LC080~LC180.....1000pcs per bag