



## Features

- Custom designs to meet appropriate applications
- Faster tripping, typical application in PDF for communication
- Overcurrent and overtemperature protection
- Withstanding high interrupt voltage
- Agency Recognition: UL, CSA, TUV



## LC series Surface mount devices

### 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	5.0	10.4	5.0	6.6	1.8	2.8



### Electrical Characteristics

Part number	$I_H$	$I_T$	$T_{trip}$		$V_{max\ interrupt}$	$I_{max}$	$Pd_{typ}$	$R_{min}$	$R_{max}$
	(A)	(A)	Current(A)	Time(S)	(V)	(A)	(W)	( )	( )
LC080	0.080	0.160	1.0	0.8	250	3.0	1.0	14.0	22.0
LC120	0.120	0.240	1.0	1.2*	250	3.0	1.0	6.0	13.0
LC145	0.145	0.290	1.0	1.5	250	3.0	1.0	4.0	9.0
LC180	0.180	0.360	1.0	12.0	250	10.0	1.0	0.8	2.0

$I_H$ =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.

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

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

$T_{trip}$ =Maximum time to trip(s) at assigned current.

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

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

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

## Thermal Derating Chart-I<sub>H</sub>(A)

Part number	Maximum ambient operating temperatures( )								
	-40	-20	0	25	40	50	60	70	85
LC080	0.124	0.110	0.095	0.080	0.066	0.059	0.051	0.044	0.033
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

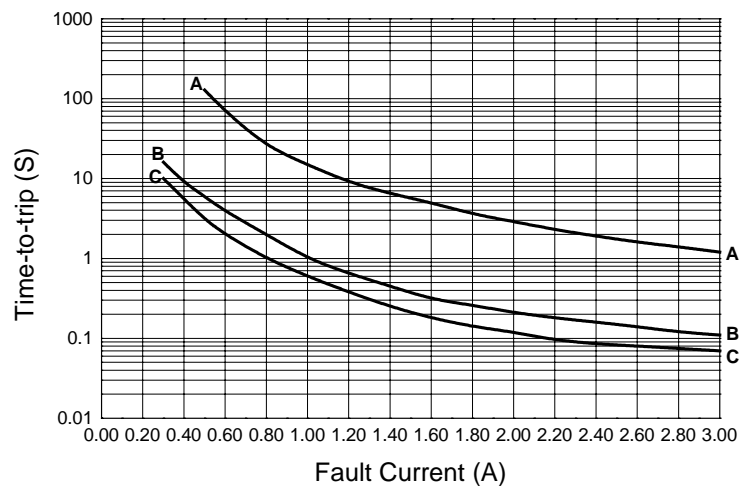
Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25	R <sub>min</sub> R R <sub>max</sub>
Time to Trip	Specified current, V <sub>max</sub> , 25	T maximum Time to Trip
Hold Current	60min, at I <sub>H</sub>	No trip
Trip Cycle Life	V <sub>max</sub> , I <sub>max</sub> , 20cycles	No arcing or burning
Trip Endurance	V <sub>max</sub> , 15min	No arcing or burning

## Typical Time-to-Trip Charts at 25

A=LC180

B=LC145

C=LC120



## Package Information

Bulk:  
LC080~ LC180.....1000pcs per bag