



Features

SEL-TISE

- 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

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	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_H(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 _{min} R R _{max}
Time to Trip	Specified current, V _{max} , 25	T 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} , 24hours	No arcing or burning

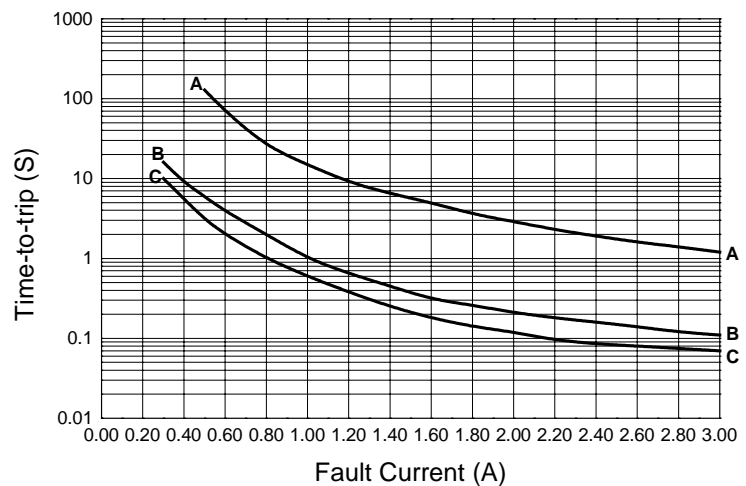
Typical Time-to-Trip Charts at 25

A=LC180

B=LC145

C=LC120

D=LC080



Package Information

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