

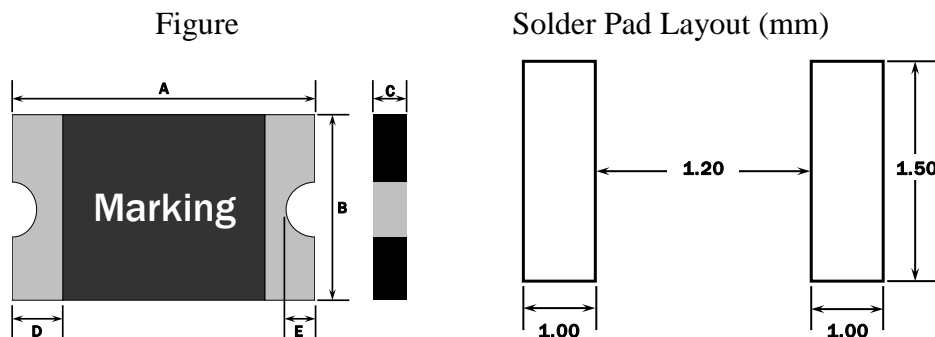
Device Specification

ELECTRICAL CHARACTERISTICS

| Part Number | Marking | I _{hold} (A) | I _{trip} (A) | V _{max} (Vdc) | I _{max} (A) | Pd _{max} (W) | Maximum Time-to-Trip | | Resistance | |
|--------------|---------|--------------------------|--------------------------|---------------------------|-------------------------|--------------------------|----------------------|----------------|-------------------------|-------------------------------------|
| | | | | | | | Current (A) | Time (Sec.) | R _{min} (Ω) | R _{I_{max}} (Ω) |
| 0603L300/9SL | Z | 3.00 | 6.00 | 9 | 50 | 0.60 | 8.00 | 1.00 | 0.003 | 0.030 |

- Note:
- I_{hold} = Hold current: maximum current device will pass without tripping in 20°C still air.
 - I_{trip} = Trip Current: minimum current at which the device will trip in 20°C still air.
 - V_{max} = Maximum voltage device can withstand without damage at rated current (I_{max})
 - I_{max} = Maximum fault current device can withstand without damage at rated voltage (V_{max})
 - Pd = Power dissipated from device when in the tripped state at 20°C still air.
 - R_{min} = Minimum resistance of device in initial (un-soldered) state.
 - R_{I_{max}} = Maximum resistance of device at 20°C measured one hour after tripping or reflow soldering of 260°C for 20 sec.

Caution :Operation beyond the specified rating may result in damage and possible arcing and flame.



PHYSICAL DIMENSIONS (mm)

| Part Number | A | | B | | C | | D | | E | |
|--------------|------|------|------|------|------|------|------|------|------|------|
| | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| 0603L300/9SL | 1.40 | 1.80 | 0.60 | 1.00 | 0.40 | 1.00 | 0.15 | 0.50 | -- | 0.40 |

THERMAL DERATING CHART – I_{hold}/I_{trip} (Amps)
Recommended Data

| Part Number | | Ambient Operation Temperature | | | | | | | | |
|--------------|-------------------|-------------------------------|--------|------|-------|-------|-------|-------|-------|-------|
| | | -40 °C | -20 °C | 0 °C | 23 °C | 40 °C | 50 °C | 60 °C | 70 °C | 85 °C |
| 0603L300/9SL | I _{hold} | 4.70 | 4.15 | 3.60 | 3.00 | 2.50 | 2.20 | 2.00 | 1.65 | 1.20 |
| | I _{trip} | 9.50 | 8.30 | 7.30 | 6.00 | 5.00 | 4.40 | 4.00 | 3.30 | 2.50 |

AVERAGE TIME-CURRENT CURVE
