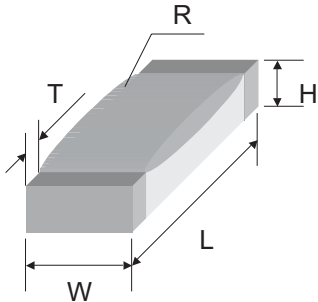
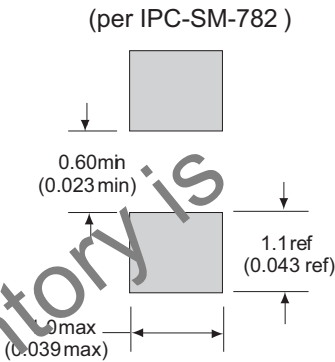


Dimensions - mm (in)

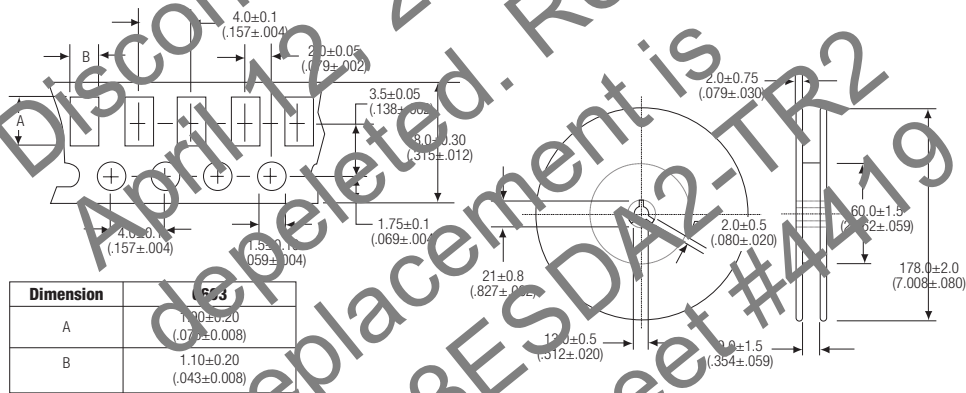


EIA Size	L	W	H	T	R
0603ESDA	1.60±0.10 (0.063±0.004)	0.80±0.10 (0.031±0.004)	0.50±0.10 (0.020±0.004)	0.30±0.20 (0.012±0.008)	0.70±0.10 (0.028±0.004)

Recommended Pad Layout - in (mm)



Packaging- mm (in)



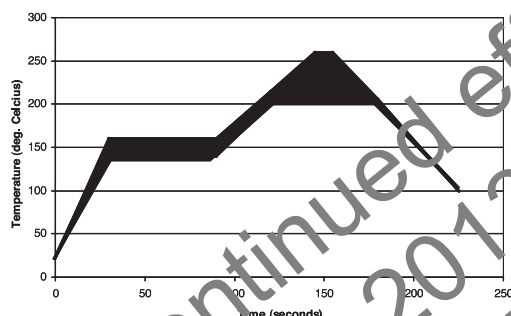
Dimension	mm (in)
A	1.00±0.20 (0.039±0.008)
B	1.10±0.20 (0.043±0.008)

## Environmental Specifications:

- Moisture Resistance per EIA/IS-722 Paragraph 4.4.2. This standard is based upon MIL-STD-202G Method 103B but with temperature and relative humidity at +85 °C and 85% RH respectively. Test condition 'A' (240 Hours) per MIL-STD-202G.
- Thermal shock: MIL-STD-202, Method 107G, -55 °C to +125 °C, 30 min. cycle, 10 cycles.
- Vibration: MIL-STD-202F, Method 201A, (10 to 55 to 10 Hz, 1 min. cycle, 2 hours each in X-Y-Z).
- Chemical resistance: ASTM D-543, 4 hrs @ +40 °C, 3 solutions (H<sub>2</sub>O, detergent solution, defluxer).
- Operating temperature characteristics, measurement at +25 °C, +105 °C and -56 °C.
- Full load voltage: 14.4 Vdc, 18 Vdc & 24 Vdc for 1000 hours, +25 °C.
- Solder leach resistance and terminal adhesion: Per EIA-576.
- Solderability: MIL-STD-202, Method 208 (95% coverage).

## Soldering Recommendations

- Compatible with lead and lead-free solder reflow processes
- Peak reflow temperatures and durations:
  - IR Reflow = +260 °C max for 10 sec. max.
  - Wave Solder = +260 °C max. for 10 sec. max.
- Recommended IR Reflow Profile:



Life Support Policy: Eaton does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.

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