Surface Mount High Current Power Toroids

**Series 4448R**

**4448**

### Inductance and Tolerance

- **Series 4448 Powdered Iron Core**
  - DASH NUMBER
  - INDUCTANCE (µH)
  - **Parallel DC Resistance**
    - **RATED PARALLEL DC RESISTANCE**
    - **MAXIMUM (OHMS)**
  - **Series 4448 Ferrous Alloy Core**
    - **RATED SERIES DC RESISTANCE**
    - **MAXIMUM (OHMS)**

### Physical Parameters

- **Inches**
- **Millimeters**

### Electrical Configuration

- Two inductors per unit; internal terminals: #1(start) – #2(finish) & #4(start) – #3 (finish).
- Series: Externally connect #2 to #4.
- Parallel: Externally connect #1 to #4 and #2 to #3.

### Test Methods

- Solderability per MIL-STD-202, Method 208.
- Inductance tested at 10 kHz and zero Amp DC.
- Tested at 25°C

### Mechanical Configuration

- A flat top surface mount case with excellent coplanarity of terminals.

### Operating Temperature Range

- -55°C to +125°C

### Rated DC Current

- Based upon 20°C temperature rise from 25°C ambient.

### Maximum Power Dissipation at 25°C

- 0.313 Watts

### Inductance Tolerance

- Tolerance is specified by suffixing an alpha character to the part number as follows: K = 10%, L = 15%, M = 20%. Units are normally supplied to the tolerance indicated in the tables.

### Marking

- Delevan: Inductance and tolerance. A white dot indicates the location of pin 1.
  - Example: 4448-102M
  - DELEVAN
  - 47uH±20%
  - Weight (Grams) 2.5 (Ref.)

### Inductance at Rated DC Current

- Minimum percent of measured zero Amp DC Inductance.
  - -02M to -34L = 60%; -102M to -134L = 50%

### Packaging

- Tape & reel (24mm);
  - 13” reel, 350 pieces max.; 7” reel not available

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**Surface Mount High Current Power Toroids**

**Rating DC Current**

**Operating Temperature Range**

**Maximum Power Dissipation at 25°C**

**Electrical Configuration**

**Physical Parameters**

**Test Methods**

**Mechanical Configuration**

**Series 4448 Powdered Iron Core**

**Series 4448 Ferrous Alloy Core**

**For surface finish information, refer to www.delevanfinishes.com**

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**Actual Size**

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**LAND PATTERN DIMENSIONS**

- 40° (4 places)
- 0.685" (4 places)
- 0.565" (4 places)
- 0.120" square
- 4 Terminals

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