



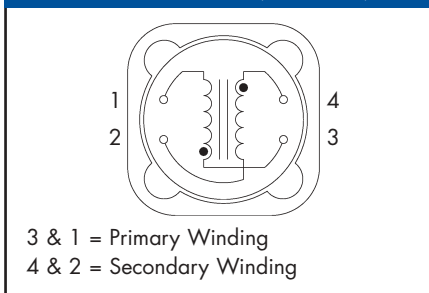
**FEATURES**

- 2.2µH to 880µH<sup>1</sup>
- Up to 9.5A IDC
- Bobbin Format
- Dual Winding
- Surface Mounting
- Integral EMI Shield
- Compact Size
- Tape and Reel Packaging
- No Voltage Breakdown at 500VDC

**DESCRIPTION**

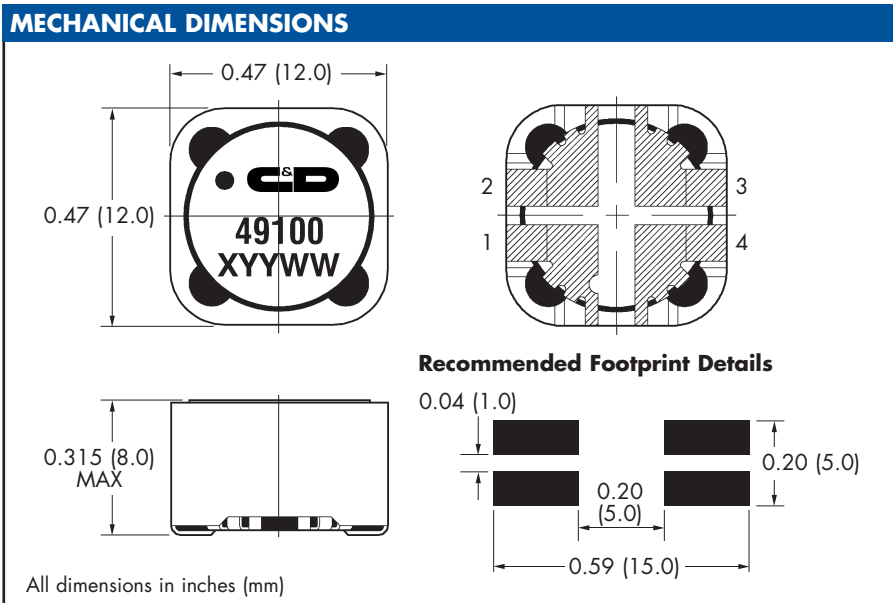
The 4900 series is a range of dual wind inductors offering flexible options. Windings have a 1:1 ratio and can be connected in series or parallel to create a wide range of inductance combinations. The secondary winding could be used as a feedback winding in switched mode power supplies.

**PIN CONNECTIONS (TOP VIEW)**



| SELECTION GUIDE <sup>2</sup> |                                 |                                |                       |                                    |
|------------------------------|---------------------------------|--------------------------------|-----------------------|------------------------------------|
| Order Code                   | Nominal Inductance <sup>1</sup> | Inductance Range               | DC Resistance         | DC Current Continuous <sup>3</sup> |
|                              | µH<br>10kHz, 100mV<br>1&3, 2&4  | µH<br>10kHz, 100mV<br>1&3, 2&4 | mΩ<br>MAX<br>1&3, 2&4 | A MAX<br>1&2 S/C to<br>3&4 S/C     |
| <b>492R2</b>                 | 2.2                             | 1.77 - 2.65                    | 12.6                  | 9.50                               |
| <b>493R3</b>                 | 3.3                             | 2.47 - 3.70                    | 14.9                  | 7.80                               |
| <b>494R7</b>                 | 4.7                             | 3.29 - 4.93                    | 17.1                  | 6.50                               |
| <b>496R8</b>                 | 6.8                             | 5.27 - 7.91                    | 27.0                  | 5.40                               |
| <b>49100</b>                 | 10                              | 7.70 - 11.6                    | 41.0                  | 4.50                               |
| <b>49150</b>                 | 15                              | 10.6 - 16.0                    | 53.0                  | 3.70                               |
| <b>49220</b>                 | 22                              | 15.9 - 23.8                    | 81.0                  | 3.00                               |
| <b>49330</b>                 | 33                              | 24.5 - 36.8                    | 128                   | 2.50                               |
| <b>49470</b>                 | 47                              | 35.1 - 52.6                    | 191                   | 2.10                               |
| <b>49680</b>                 | 68                              | 50.8 - 76.2                    | 233                   | 1.71                               |
| <b>49101</b>                 | 100                             | 73.6 - 110                     | 348                   | 1.41                               |
| <b>49151</b>                 | 150                             | 111 - 166                      | 529                   | 1.15                               |
| <b>49221</b>                 | 220                             | 167 - 251                      | 805                   | 0.95                               |

| PACKAGE DETAILS |                |                 |     |
|-----------------|----------------|-----------------|-----|
| Order Code      | TYP Weight (g) | Packaging Style | QTY |
| 49XXX           | 4              | Tape & Reel     | 500 |



| ABSOLUTE MAXIMUM RATINGS             |                |
|--------------------------------------|----------------|
| Operating free air temperature range | -40°C to 85°C  |
| Storage temperature range            | -40°C to 125°C |

1 When connecting windings in series, inductance will be 4 times the nominal figure shown.  
2 Specifications typical at TA=25°C  
3 If current is flowing in both windings the maximum DC current occurs when either the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.

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