

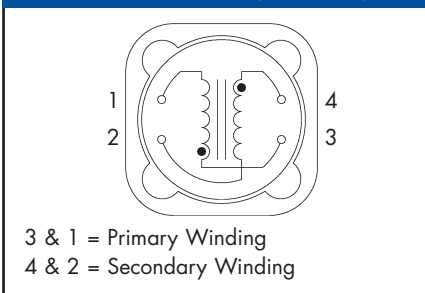
**FEATURES**

- 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)**



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.

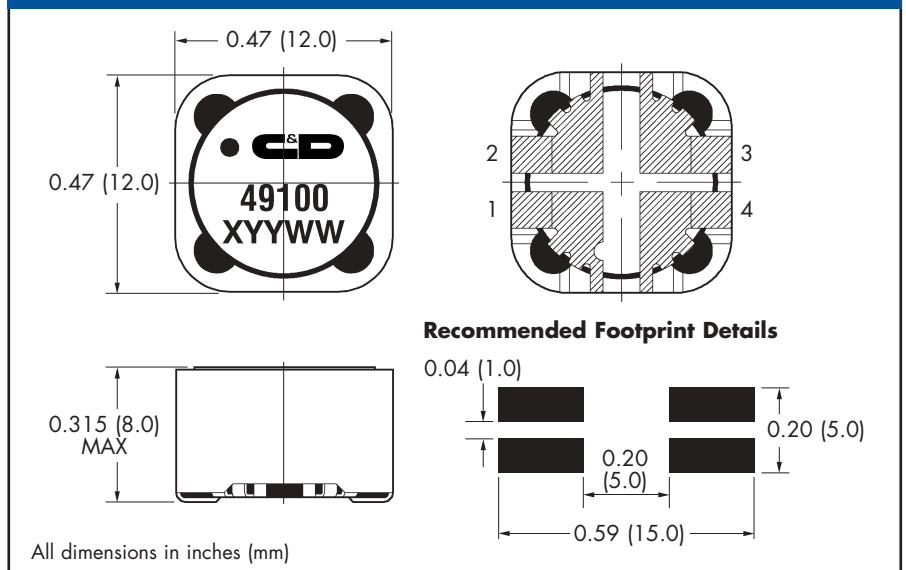
**SELECTION GUIDE<sup>2</sup>**

Order Code	Nominal Inductance <sup>1</sup>	Inductance Range	DC Resistance	DC Current Continuous <sup>3</sup>
	µH 10kHz, 100mV 1&3, 2&4	µH 10kHz, 100mV 1&3, 2&4	mΩ MAX 1&3, 2&4	A MAX 1&2 S/C to 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

**MECHANICAL DIMENSIONS**



**ABSOLUTE MAXIMUM RATINGS**

Operating free air temperature range	-40°C to 85°C
Storage temperature range	-40°C to 125°C

**C&D Technologies (NCL) Ltd**  
Tanners Drive, Blakelands North  
Milton Keynes MK14 5BU, England  
Tel: +44 (0)1908 615232  
Fax: +44 (0)1908 617545  
email: info@cdtechno-ncl.com

**C&D Technologies Inc.**  
3400 E Britannia Drive, Tucson,  
Arizona 85706, USA  
Tel: +1 (800) 547-2537  
Fax: +1 (520) 741-4598  
email: sales@cdtechno.com

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