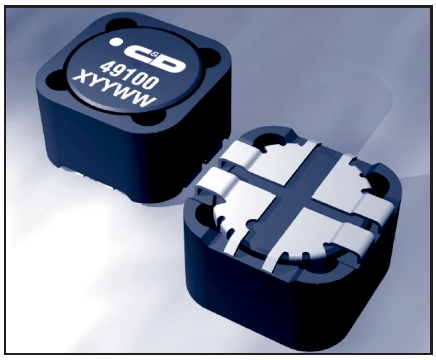
C&D TECHNOLOGIES
Power Solutions

4900 SERIES

Dual Winding Surface Mount Inductors



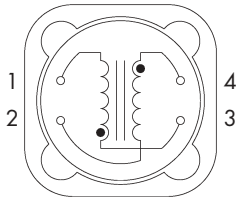
FEATURES

- 2.2µH to 880µH[1]
- 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)



3 & 1 = Primary Winding
4 & 2 = Secondary Winding

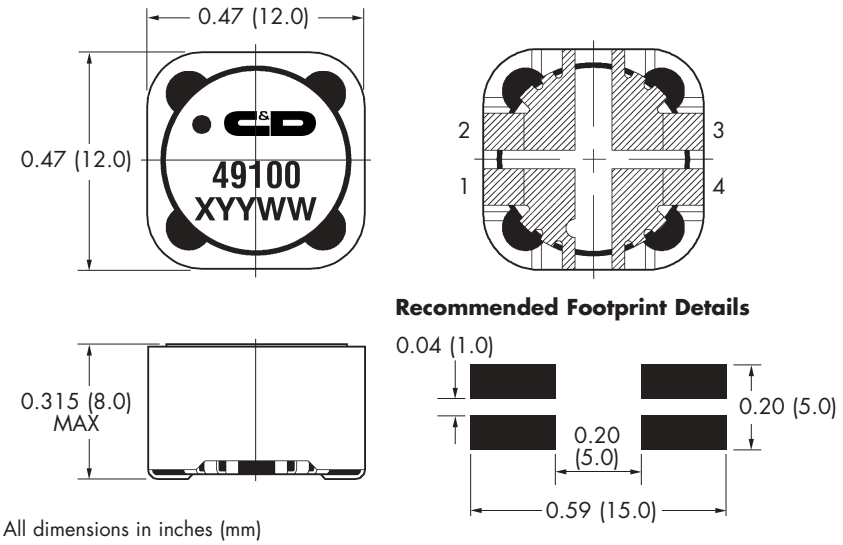
SELECTION GUIDE[2]

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

PACKAGE DETAILS

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

MECHANICAL DIMENSIONS



All dimensions in inches (mm)

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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