

Power Solutions

Dual Winding Surface Mount Inductors

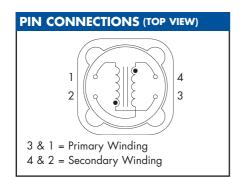


FEATURES

- 2.2µH to 880µH¹
- 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.

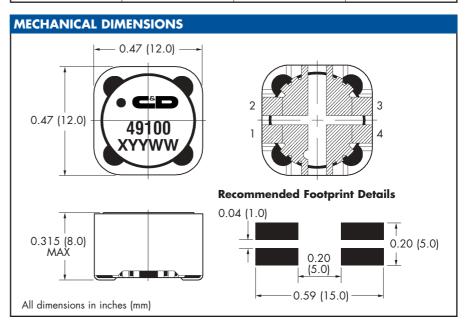


- When connecting windings in series, inductance will be 4 times the nominal figure shown.
 Specifications typical at TA=25°C
 If current is flowing in both windings the maximum
- 2 Specifications typical at IA=25°C
 3 If current is flowing in both windings the maximum DC current occurs when either the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

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SELECTION GUIDE ²					
	Nominal Inductance ¹	Inductance Range	DC Resistance	DC Current Continuous ³	
Order Code	μΗ 10kHz,100mV 1&3, 2&4	μΗ 10kHz, 100mV 1&3, 2&4	mΩ MAX 1&3, 2&4	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	<i>7</i> 3.6 - 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			



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

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NMP 4900.1

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