

# Power Inductors – DC1012 Series



These power inductors are especially effective as DC-DC converter boost or buck inductors and as output ripple filter chokes in all types of downsized switching power supplies.

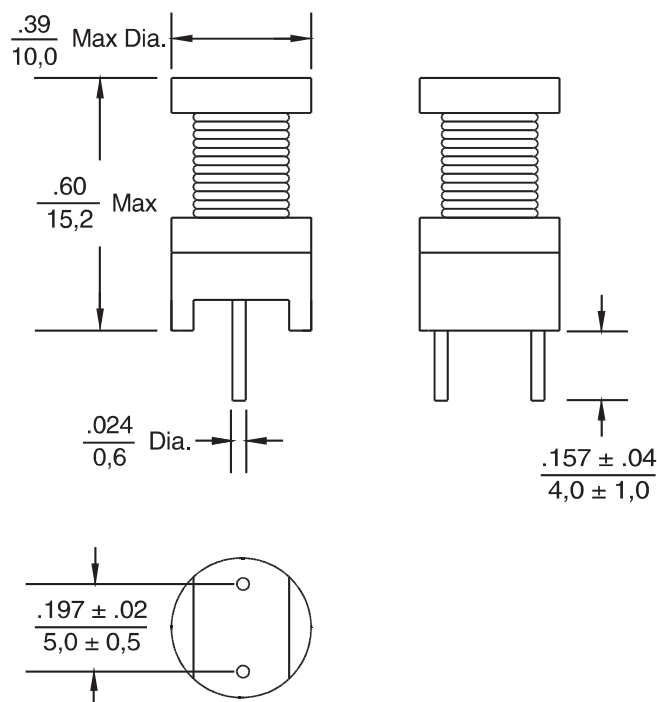
They are ideal for applications requiring small size, cost effective power inductors. The vertical style helps reduce power supply size by saving crucial printed circuit board area. The large inductance available per size makes these parts ideal for all sorts of energy storage, smoothing, and EMI reduction applications.

The Coilcraft DC1012 Series includes a wide range of EIA standard inductance values. Custom versions are also available.

Coilcraft **Designer's Kit P210** contains three samples of all the standard parts shown. To order, contact Coilcraft.

## Specifications

Part Number	Inductance <sup>1</sup> 10% $\mu$ H	DCR Max ( $\Omega$ )	Current Rating <sup>2</sup> (Amps)
DC1012-103	10	.026	3.5
DC1012-123	12	.030	3.2
DC1012-153	15	.035	3.0
DC1012-183	18	.038	2.8
DC1012-223	22	.046	2.5
DC1012-273	27	.070	2.2
DC1012-333	33	.080	2.0
DC1012-393	39	.088	1.8
DC1012-473	47	.100	1.6
DC1012-563	56	.15	1.4
DC1012-683	68	.17	1.2
DC1012-823	82	.20	1.2
DC1012-104	100	.22	1.2
DC1012-124	120	.29	1.0
DC1012-154	150	.34	.9
DC1012-184	180	.38	.8
DC1012-224	220	.44	.7
DC1012-274	270	.62	.7
DC1012-334	330	.70	.6



1. Tested at 100 kHz, .1 Vrms.

2. Current rating is based on  $I^2R$  loss = 3/8 Watt Max. Inductance drop is 10% typ. at the rated current.

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