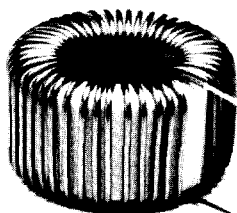


LOW COST POWER INDUCTORS

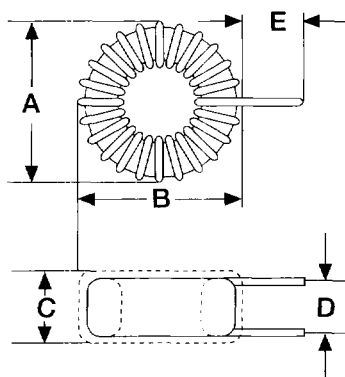


Coiltronics Low Cost Power Inductors are manufactured using powdered iron (material 52) cores. These standard product toroidal inductors deliver stable electrical operating characteristics in a wide range of user applications.

Low Cost Power Inductors are constructed to optimize inductor efficiency by minimizing copper losses. This ensures the lowest possible temperature rise at the maximum rated current.

Low Cost Power Inductors, as well as all Coiltronics products, are designed and manufactured in accordance with our highest quality operating standards and comply with all U.S. and International Safety Agency guidelines.

PHYSICAL CHARACTERISTICS



FEATURE-BENEFITS

- ❖ Powdered iron cores provide low cost solutions to your power inductor applications.
- ❖ Off the shelf availability.
- ❖ Samples provided on request.
- ❖ Application-specific electrical and mechanical requirements can be met by our custom design engineering team.

ORDERING INFORMATION

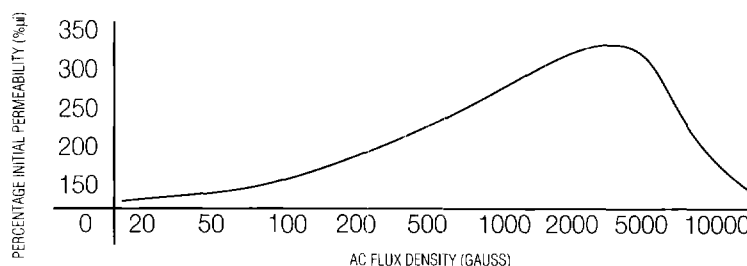
To order Coiltronics Low Cost Power Inductors, contact your local representative or Coiltronics Home Office Sales Support Group. Product pricing and availability are dependent on your volume requirements.

ELECTRICAL CHARACTERISTICS

CTX #	μ H	I1 RATING	I2 RATING	DCR OHMS	% LR1	% LR2	NOMINAL DIMENSIONS IN INCHES				
							A	B	C	D	E
50-1-52	50	1	2	.061	7	22	.592	.592	.338	.300	.750
250-1-52	250	1	2	.168	9	27	.830	.830	.515	.450	.750
50-2-52	50	2	4	.025	7	22	.830	.830	.515	.450	.750
250-2-52	250	2	4	.070	12	30	1.236	1.236	.751	.670	.750
50-5-52	50	5	10	.021	13	35	1.236	1.236	.751	.670	.750
150-5-52	150	5	10	.042	19	41	1.790	1.790	.790	.680	.750
50-10-52	50	10	16	.016	23	38	1.790	1.790	.790	.680	.750
20-1-52	20	1	2	.062	9	27	.325	.325	.250	.220	.750
20-2-52	20	2	4	.029	18	40	.467	.467	.282	.240	.750
100-1-52	100	1	2	.085	8	24	.592	.592	.467	.420	.750
20-5-52	20	5	10	.020	12	31	.935	.935	.640	.570	.750
500-1-52	500	1	2	.276	12	31	.935	.935	.640	.570	.750
100-2-52	100	2	4	.040	9	27	.935	.935	.640	.570	.750
500-2-52	500	2	4	.147	15	36	1.520	1.520	.657	.550	.750
100-5-52	100	5	10	.028	18	41	1.520	1.520	.657	.550	.750
50-7-52	50	7	14	.013	17	40	1.520	1.520	.657	.550	.750

The I1 Current Rating is the rated current for a 10%-20% decrease of the low level inductance.
The I2 Current Rating is the rated current for a 20%-40% decrease of the low level inductance.
The %LR1 Rating is the projected inductance roll off @ the I1 Current Level.
The %LR2 Rating is the projected inductance roll off @ the I2 Current Level.
Specifications subject to change without notice.

PERMEABILITY VS. AC FLUX DENSITY



In certain applications, the increase of core material permeability at high flux levels (as shown above) can be utilized to compensate for the decrease of inductance at high DC current levels.



COILTRONICS
INCORPORATED

SPECIALISTS IN STANDARD PRODUCT AND CUSTOM DESIGNED
HIGH FREQUENCY TRANSFORMERS AND INDUCTORS.