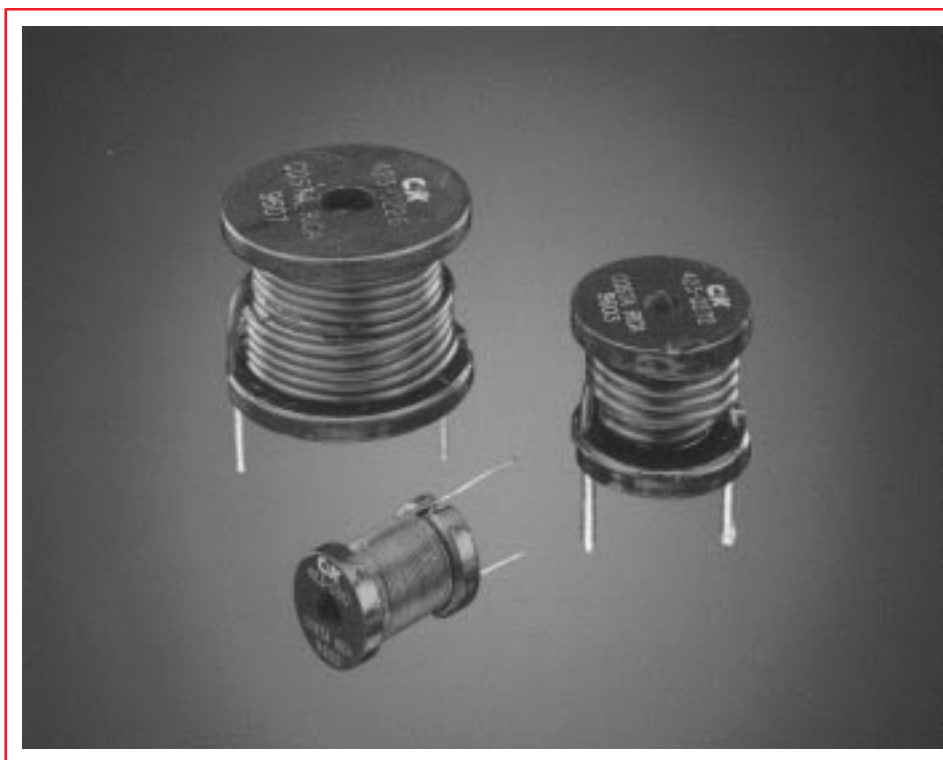


Drum Core Power Inductors



Features

- **Broad Range of Inductance**

Available in an inductance range from 0.8 μ H through 1,000 μ H. A highly resistant ferrite core allows for high inductance and low DC resistance. Inductance (L_p) is measured at 15.75 KHz, 1 V RMS with rated DC current.

- **Low to High Current Ratings**

Designed to accommodate higher than average power handling requirements in ranges of 0.1 to 30 Amps.

- **Requires Small PCB Space**

Their small, compact size and low profile requires minimum printed circuit board space, providing the user with greater design latitude.

- **Pre-tinned, Solderable Leads**

The extensions of winding wire are stripped and tinned to within .060" of the bobbin.

C&K's Drum Core Power Inductors are the ideal choice when a variety of inductance and current ranges are preferred.

We have designed a standard full line of power inductors in a variety of models, inductance and current ranges to meet virtually any of your design needs. All of our power inductors are manufactured to exacting specifications and meet UL Class B 130°C requirements.

Variety of Applications

Drum core power inductors required in switching circuits have a wide variety of applications. These requirements are in switching regulators, SCR's, Triacs, power supplies, RFI suppressors and filters.

Product Capabilities

In addition to power inductors, C&K's Magnetics Group offers a full line of chokes, coils and transformers that serve the switching power supply and telecommunications markets. A variety of product

packages are available, including open construction or encapsulated for PCB, thru-hole or surface mount applications.

State-of-the-art Facility

Our manufacturing facility is located in a 125,000 sq. ft. plant in San Jose, Costa Rica. Our highly automated production equipment and experienced operators produce all of our magnetic components.

Custom Design Services

Our sales office and laboratory are located in Watertown, Massachusetts, where custom design services are available for most application needs, including commercial, industrial and military standards.

We have extensive CAD/CAE/CAM capabilities for product development. In-house machining and prototyping

ensure fast turnarounds. We take great pride in our ability to respond quickly and efficiently to your application specific requirements.

Send us your requirements today and we'll promptly meet all of your design needs with affordably priced, high quality products.

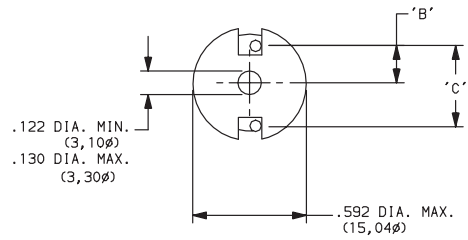
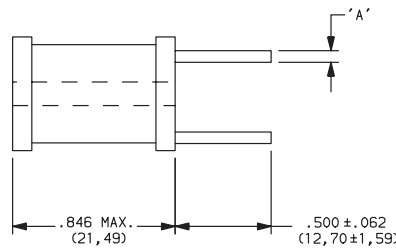
Dedicated Customer Service

C&K's Magnetics Group is dedicated to providing exceptional customer service and quality products. Quality is not an option, it is our commitment to total customer satisfaction. To ensure this, we offer a direct toll free sales/customer service number and a superior field sales network of representatives and distributors.

Call today for more information, samples and our latest catalog.

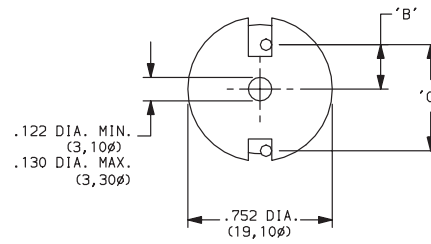
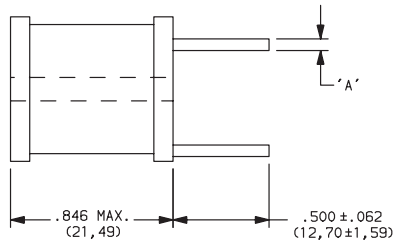
Tel: (800) 961-6295

Fax: (617) 926-6249



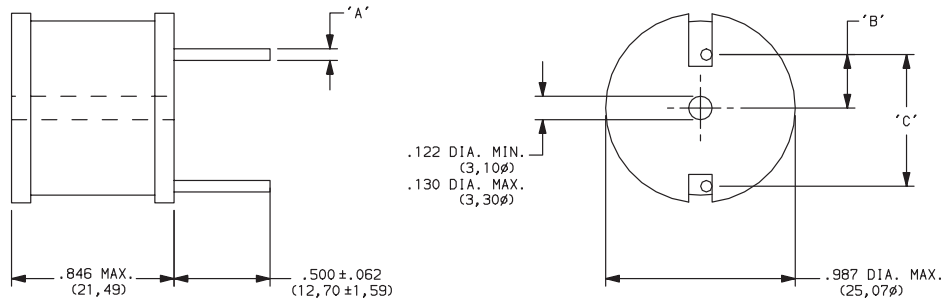
MODEL NUMBER	INDUCTANCE VALUE (μH)	RATED CURRENT (A)	MAXIMUM DCR (Ω)	LEAD WIRE (AWG)	DIMENSIONS (IN.) + .032		
					'A'	'B'	'C'
423-0107	120	0.5	0.20	25	.187	.394	
423-0108	185	0.5	0.24	25	.187	.434	
423-0109	200	0.5	0.25	25	.187	.434	
423-0110	240	0.5	0.27	25	.187	.434	
423-0111	300	0.5	0.29	25	.187	.434	
423-0112	400	0.5	0.34	25	.187	.434	
423-0113	500	0.5	0.38	25	.187	.474	
423-0114	600	0.5	0.45	25	.187	.474	
423-0115	680	0.5	0.55	25	.187	.474	
423-0154	5.4	2.0	.012	20	.194	.423	
423-0155	6.8	2.0	.014	20	.194	.423	
423-0156	10.9	2.0	.018	20	.194	.423	
423-0157	12.4	2.0	.020	20	.194	.423	
423-0158	15.9	2.0	.022	20	.194	.423	
423-0159	21.8	2.0	.025	20	.194	.423	
423-0160	26.3	2.0	.027	20	.194	.423	
423-0161	31.2	2.0	.032	22	.194	.493	
423-0162	36	2.0	.034	20	.194	.493	
423-0163	51	2.0	.040	20	.194	.493	
423-0164	77	2.0	.061	21	.192	.474	
423-0169	10.9	3.0	.012	18	.198	.439	
423-0170	15.9	3.0	.014	18	.198	.439	
423-0171	19.7	3.0	.016	18	.198	.439	
423-0172	25	3.0	.028	20	.195	.425	
423-0173	34	3.0	.034	20	.195	.495	
423-0174	51	3.0	.042	20	.195	.495	
423-0175	66	3.0	.047	20	.195	.495	
423-0180	4.7	5	.0093	18	.198	.439	
423-0181	6.9	5	.011	18	.198	.439	

MODEL NUMBER	INDUCTANCE VALUE (μH)	RATED CURRENT (A)	MAXIMUM DCR (Ω)	LEAD WIRE (AWG)	DIMENSIONS (IN.) + .032		
					'A'	'B'	'C'
423-0182	9.5	5	.0133	18	.198	.439	
423-0183	12.5	5	.015	18	.198	.439	
423-0184	16	5	.017	18	.198	.439	
423-0185	20	5	.019	18	.198	.439	
423-0194	1.6	7.5	.006	18	.198	.439	
423-0195	3	7.5	.008	18	.198	.439	
423-0196	5.7	7.5	.010	18	.198	.439	
423-0197	8.2	7.5	.013	18	.198	.439	
423-0198	11	7.5	.015	18	.198	.439	
423-0199	14	7.5	.017	18	.198	.439	
423-0200	20	7.5	.019	18	.198	.439	
423-0205	1	10	.004	17	.201	.450	
423-0206	1.6	10	.0043	17	.201	.450	
423-0207	2.2	10	.0054	17	.201	.450	
423-0208	2.9	10	.0058	17	.201	.450	
423-0209	3.8	10	.0066	17	.201	.450	
423-0210	4.7	10	.0074	17	.201	.450	
423-0211	5.7	10	.0082	17	.201	.450	
423-0212	6.9	10	.0092	17	.201	.450	
423-0213	8.1	10	.0096	17	.201	.450	
423-0214	11	10	.0113	17	.201	.450	
423-0215	14.2	10	.0128	17	.201	.450	
423-0227	1	15	.0032	16	.204	.461	
423-0228	1.6	15	.0037	16	.204	.461	
423-0229	2.2	15	.0042	16	.204	.461	
423-0230	2.9	15	.0047	16	.204	.461	
423-0246	1	20	.0026	15	.207	.474	
423-0247	1.6	20	.003	15	.207	.474	
423-0248	2.2	20	.0034	15	.207	.474	

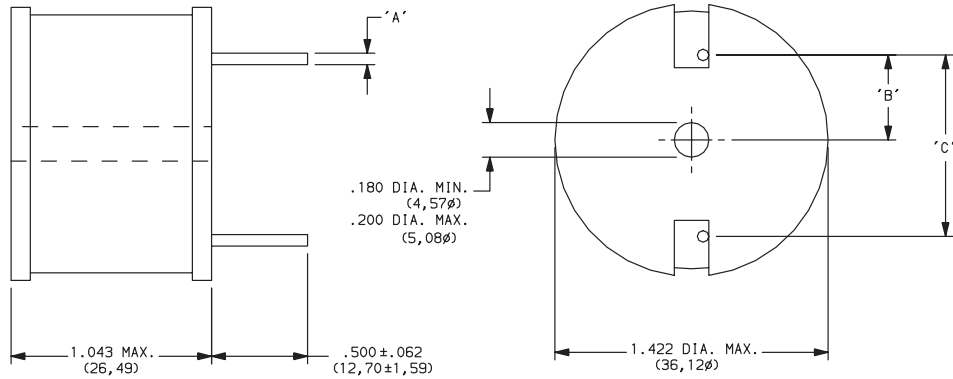


MODEL NUMBER	INDUCTANCE VALUE (μH)	RATED CURRENT (A)	MAXIMUM DCR (Ω)	LEAD WIRE (AWG) 'A'	DIMENSIONS (IN.) + .032		
					'B'	'C'	
423-0116	1000	0.5	0.65	25	.226	.553	
423-0117	39	0.75	0.10	23	.228	.483	
423-0118	62	0.75	0.12	23	.228	.483	
423-0119	80	0.75	0.14	23	.228	.483	
423-0120	100	0.75	0.16	23	.228	.533	
423-0121	133	0.75	0.18	23	.228	.533	
423-0122	150	0.75	0.19	23	.228	.533	
423-0123	180	0.75	0.21	23	.228	.533	
423-0124	200	0.75	0.22	23	.228	.533	
423-0125	220	0.75	0.23	23	.228	.533	
423-0126	270	0.75	0.25	23	.228	.533	
423-0127	330	0.75	0.27	23	.228	.533	
423-0128	450	0.75	0.32	23	.228	.533	
423-0129	660	0.75	0.38	23	.228	.533	
423-0130	39	1.0	0.06	22	.230	.489	
423-0131	47	1.0	0.08	22	.230	.489	
423-0132	56	1.0	0.09	22	.230	.489	
423-0133	68	1.0	0.10	22	.230	.489	
423-0134	82	1.0	0.11	22	.230	.545	
423-0135	100	1.0	0.12	22	.230	.545	
423-0136	120	1.0	0.13	22	.230	.545	
423-0137	150	1.0	0.15	22	.230	.545	
423-0138	200	1.0	0.17	22	.230	.545	
423-0139	250	1.0	0.19	22	.230	.545	
423-0140	330	1.0	0.21	22	.230	.589	
423-0142	18	1.5	.026	20	.234	.503	
423-0143	22	1.5	.030	20	.234	.503	
423-0144	27	1.5	.032	20	.234	.503	
423-0145	33	1.5	.035	20	.234	.503	
423-0146	40	1.5	.038	20	.234	.503	
423-0147	50	1.5	.045	20	.234	.573	
423-0148	66	1.5	.050	20	.234	.573	
423-0149	100	1.5	.060	20	.234	.573	
423-0165	103	2.0	.073	21	.231	.555	

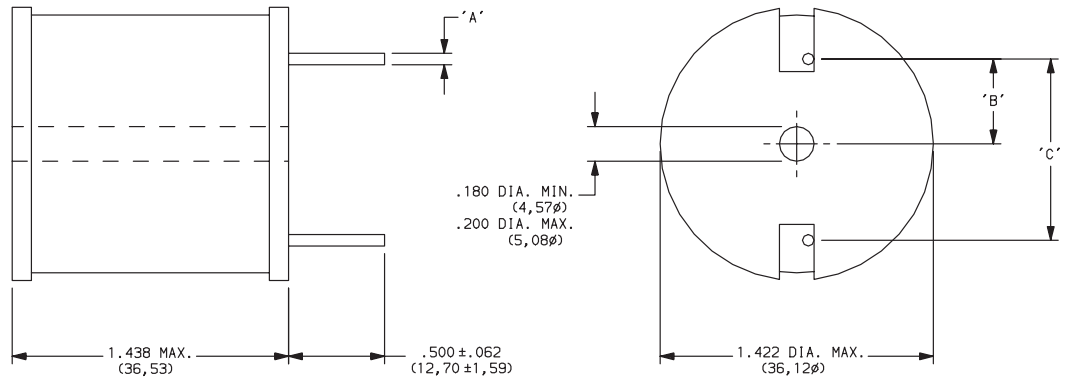
MODEL NUMBER	INDUCTANCE VALUE (μH)	RATED CURRENT (A)	MAXIMUM DCR (Ω)	LEAD WIRE (AWG) 'A'	DIMENSIONS (IN.) + .032		
					'B'	'C'	
423-0166	125	2.0	.084	21	.231	.555	
423-0167	168	2.0	.098	21	.231	.555	
423-0168	250	2.0	.147	22	.231	.555	
423-0176	82	3.0	.064	21	.231	.552	
423-0177	108	3.0	.072	21	.231	.552	
423-0178	131	3.0	.084	21	.231	.552	
423-0179	168	3.0	.095	21	.231	.552	
423-0186	25	5	.022	18	.243	.529	
423-0187	30	5	.024	18	.243	.615	
423-0188	40	5	.029	18	.243	.615	
423-0189	50	5	.032	18	.243	.615	
423-0190	58	5	.035	18	.243	.615	
423-0201	25	7.5	.022	18	.243	.529	
423-0202	33	7.5	.026	18	.243	.615	
423-0203	47	7.5	.030	18	.243	.615	
423-0216	15.8	10	.014	17	.245	.538	
423-0217	18	10	.015	17	.245	.538	
423-0231	3.7	15	.0054	16	.248	.549	
423-0232	4.8	15	.0061	16	.248	.549	
423-0233	6.0	15	.0067	16	.248	.549	
423-0234	8.7	15	.0079	16	.248	.549	
423-0235	12	15	.0092	16	.248	.549	
423-0249	2.8	20	.0031	14	.255	.577	
423-0250	3.7	20	.0035	14	.255	.577	
423-0251	4.8	20	.004	14	.255	.577	
423-0252	6.0	20	.0045	14	.255	.577	
423-0265	0.8	25	.002	14	.255	.577	
423-0266	1.3	25	.0022	14	.255	.577	
423-0267	2.0	25	.0026	14	.255	.577	
423-0268	2.8	25	.0028	14	.255	.577	
423-0269	3.7	25	.0032	14	.255	.577	
423-0279	0.8	30	.0013	13	.259	.593	
423-0280	1.3	30	.0016	13	.259	.593	
423-0281	2.0	30	.0019	13	.259	.593	



MODEL NUMBER	INDUCTANCE VALUE (μH)	RATED CURRENT (A)	MAXIMUM DCR (Ω)	MAXIMUM LEAD WIRE (AWG) 'A'	DIMENSIONS (IN.) + .032	
					'B'	'C'
423-0141	500	1.0	0.28	22	.270	.680
423-0150	130	1.5	0.80	20	.273	.652
423-0151	160	1.5	0.90	20	.273	.652
423-0152	220	1.5	.100	20	.273	.722
423-0153	330	1.5	.130	20	.273	.722
423-0191	76	5	.044	18	.278	.685
423-0192	87	5	.047	18	.278	.685
423-0193	100	5	.050	18	.278	.685
423-0204	66	7.5	.040	18	.278	.685
423-0218	21	10	.014	16	.284	.619
423-0219	27	10	.0158	16	.284	.727
423-0220	33	10	.018	16	.284	.727
423-0221	40	10	.020	16	.284	.727
423-0222	49	10	.022	16	.284	.727
423-0236	16	15	.010	15	.284	.632
423-0237	18.5	15	.0106	15	.284	.748
423-0238	21	15	.0113	15	.284	.748
423-0253	8.0	20	.0057	14	.290	.647
423-0254	9.7	20	.0062	14	.290	.647
423-0270	5.0	25	.0034	13	.294	.663
423-0271	6.4	25	.0038	13	.294	.663
423-0272	8.0	25	.0045	13	.294	.663
423-0282	2.7	30	.002	12	.298	.680
423-0283	3.7	30	.0024	12	.298	.680
423-0284	5.0	30	.0027	12	.298	.680
423-0285	6.4	30	.003	12	.298	.680
423-0286	8.0	30	.0034	12	.298	.680



MODEL NUMBER	INDUCTANCE VALUE (μH)	RATED CURRENT (A)	MAXIMUM DCR (Ω)	MAXIMUM LEAD WIRE (AWG) 'A'	DIMENSIONS (IN.) ± .032	
					'B'	'C'
423-0223	57	10	.024	15	.442	.944
423-0224	68	10	.026	15	.442	1.064
423-0225	81	10	.028	15	.442	1.064
423-0226	100	10	.030	15	.442	1.064
423-0239	26	15	.012	14	.445	.957
423-0240	34	15	.0137	14	.445	.957
423-0241	42	15	.0153	14	.445	1.073
423-0242	52	15	.017	14	.445	1.073
423-0243	68	15	.020	14	.445	1.073
423-0255	11.2	20	.0061	13	.450	.975
423-0256	16.4	20	.0073	13	.450	.975
423-0257	22.5	20	.0085	13	.450	.975
423-0258	26	20	.0091	13	.450	.975
423-0259	34	20	.0103	13	.450	1.125
423-0260	38	20	.011	13	.450	1.125
423-0261	47	20	.012	13	.450	1.125
423-0273	11.2	25	.005	12	.454	1.002
423-0274	16.4	25	.006	12	.454	1.002
423-0275	22.6	25	.007	12	.454	1.002
423-0287	11.2	30	.004	11	.459	1.011
423-0288	16.4	30	.0048	11	.459	1.011
423-0289	22.6	30	.0056	11	.459	1.200



MODEL NUMBER	INDUCTANCE VALUE (μH)	RATED CURRENT (A)	MAXIMUM DCR (Ω)	LEAD WIRE (AWG)	DIMENSIONS (IN.) + .032	
					'A'	'B'
423-0244	83	15	.018	13	.450	1.200
423-0245	100	15	.020	13	.450	1.200
423-0262	56	20	.012	12	.454	.992
423-0263	66	20	.013	12	.454	1.160
423-0264	77	20	.014	12	.454	1.160

MODEL NUMBER	INDUCTANCE VALUE (μH)	RATED CURRENT (A)	MAXIMUM DCR (Ω)	LEAD WIRE (AWG)	DIMENSIONS (IN.) + .032		
					'A'	'B'	'C'
423-0276	26.4	25	.0064	11	.459	1.011	
423-0277	33.7	25	.0072	11	.459	1.011	
423-0278	46.2	25	.0084	11	.459	1.200	
423-0290	30	30	.0068	11	.459	1.011	
423-0291	37.6	30	.0076	11	.459	1.011	

Product Capability

Switch Mode Power Supply Magnetics

- Full & Half Bridge Transformers
- MOSFET Driver Transformers
- Buck Regulator Transformers
- Low Profile Switching Power Supply Transformers
- Flyback Transformers
- Push-Pull Regulator Transformers
- Forward Converter Transformers
- Driver/Current/Bias Transformers

Power Inductors/Chokes

- Fixed Inductors
- Micro-Miniature
- Toroids
- Radial Lead
- SMT
- Switching Regulator Inductors
- Hash (Slug Core) Chokes
- Drum Core

Surface Mount Transformers/Inductors

- Encapsulated Toroid
- Pot Core
- Gull Wing or Leaderless Pad

Wide Band Pulse Transformers

- Pot Core
- Toroidal
- Laminated-Nickel Steel

Data/Telecommunications Magnetics

- Bus Coupling Transformers
- SLIC Transformers
- Hybrid Transformers
- ISDN 'S' Interface Transformers
- Modem & Low Profile Modem Transformers
- T1 Carrier Transformers
- Data Coils
- Repeat Coils