THRU-HOLE DRUM CORE POWER INDUCTORS

AIRD-03, AIRD-06 SERIES



FEATURES:
- Ferrite core with UL tube
- Wire wound construction
- High current, low DCR

OPTIONS:
- Bulk Pack is standard
- 10% is standard
- Other tolerance available

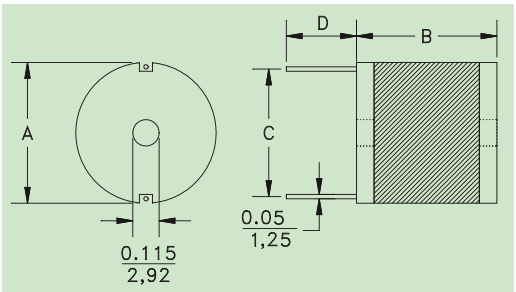
APPLICATIONS:
- Electronic Appliance
- Power Supplies
- TRIAC/SCR Control Circuits

STANDARD SPECIFICATIONS:

Part Number AIRD-03	L (µH) ±10%	R_{DC} Max (Ω)	I_{DC} Max (A)	I_{AC} Max (A)	C ±0.015 INCH
1R0K	1.0	0.003	116	21	0.790
1R2K	1.2	0.003	116	21	0.790
1R5K	1.5	0.003	116	21	0.790
1R8K	1.8	0.003	90	21	0.790
2R2K	2.2	0.003	90	21	0.790
2R7K	2.7	0.003	74	21	0.790
3R3K	3.3	0.003	74	21	0.790
3R9K	3.9	0.003	62	21	0.790
4R7K	4.7	0.003	54	21	0.790
5R6K	5.6	0.003	54	21	0.790
6R8K	6.8	0.004	47	21	0.790
8R2K	8.2	0.004	42	21	0.790
100K	10	0.006	38	17	0.770
120K	12	0.008	35	13.5	0.750
150K	15	0.009	32	13.5	0.750
180K	18	0.010	29	13.5	0.750
220K	22	0.011	25	13.5	0.750
270K	27	0.012	23	13.5	0.800
330K	33	0.017	20	13.5	0.780
390K	39	0.022	19	11.4	0.780
470K	47	0.024	19	9.0	0.760
560K	56	0.026	17	9.0	0.760
680K	68	0.029	15	9.0	0.760
820K	82	0.032	14	9.0	0.760
101K	100	0.034	13	9.0	0.760
121K	120	0.046	12	7.2	0.740
151K	150	0.064	10	5.5	0.720
181K	180	0.072	9.7	5.5	0.720
221K	220	0.080	8.7	5.5	0.790
271K	270	0.110	7.9	4.5	0.770
331K	330	0.122	7.1	4.5	0.770
391K	390	0.169	6.7	4.0	0.740
471K	470	0.187	6.0	4.0	0.740
561K	560	0.187	5.5	4.0	0.740
681K	680	0.256	5.0	2.8	0.725
821K	820	0.320	4.5	2.0	0.760
102K	1000	0.426	4.1	2.0	0.715
122K	1200	0.462	3.7	2.0	0.760
152K	1500	0.518	3.4	2.0	0.760
182K	1800	0.705	2.8	1.6	0.740
222K	2200	1.020	2.5	1.3	0.720
272K	2700	1.140	2.3	1.3	0.720
332K	3300	1.270	2.0	1.3	0.720
392K	3900	1.670	1.8	1.0	0.700
472K	4700	1.860	1.7	1.0	0.730

Part Number AIRD-06	L (µH) ±10%	R_{DC} Max (Ω)	I_{DC} Max (A)	I_{AC} Max (A)	C ±0.015 INCH
1R0K	1.0	0.003	108	11.4	0.620
1R2K	1.2	0.003	108	11.4	0.620
1R5K	1.5	0.003	83	11.4	0.620
1R8K	1.8	0.003	68	11.4	0.620
2R2K	2.2	0.004	68	11.4	0.620
2R7K	2.7	0.005	58	11.4	0.620
3R3K	3.3	0.005	58	11.4	0.620
3R9K	3.9	0.005	50	11.4	0.620
4R7K	4.7	0.005	50	11.4	0.620
5R6K	5.6	0.006	44	11.4	0.620
6R8K	6.8	0.007	39	11.4	0.620
8R2K	8.2	0.007	36	11.4	0.620
100K	10	0.009	30	11.4	0.620
120K	12	0.009	27	11.4	0.620
150K	15	0.013	25	9.0	0.625
180K	18	0.018	22	7.2	0.630
220K	22	0.019	21	7.2	0.630
270K	27	0.026	20.5	5.5	0.546
330K	33	0.029	18.6	5.5	0.546
390K	39	0.030	17.0	5.5	0.594
470K	47	0.035	15.1	5.5	0.625
560K	56	0.039	13.6	5.5	0.625
680K	68	0.053	12.7	4.8	0.656
820K	82	0.060	11.3	4.8	0.656
101K	100	0.080	10.4	4.0	0.593
121K	120	0.090	9.4	4.0	0.593
151K	150	0.098	8.6	4.0	0.593
181K	180	0.110	7.8	4.0	0.671
221K	220	0.150	7.0	2.8	0.593
271K	270	0.213	6.3	2.0	0.562
331K	330	0.305	5.2	1.6	0.590
391K	390	0.320	4.9	1.6	0.590
471K	470	0.355	4.5	1.6	0.590
561K	560	0.388	4.1	1.6	0.590
681K	680	0.430	3.7	1.6	0.590
821K	820	0.590	3.4	1.3	0.590
102K	1000	0.818	3.1	1.0	0.590
122K	1200	1.140	2.7	0.8	0.590
152K	1500	1.260	2.4	0.8	0.590
182K	1800	1.390	2.2	0.8	0.590
222K	2200	1.540	2.0	0.8	0.590

PHYSICAL CHARACTERISTICS:



- UL Heat Shrink Tubing
- Operating Temp: -40°C to 125°C
- Lp measure at 1KHz 0.1VRMS.
- Tolerance: K=±10%, tighter tolerance available
- Check SCD for detail E&M specification
- IDC: Lp drops 10% typical from its initial value
- IAC: DT of 40°C temperature rise max
- Marking: Inductance value and tolerance

Note: All specifications subject to change without notice

	AIRD-03	AIRD-06
A Max	1.10 (28,0)	0.83 (21,1)
B Typ	0.84 (21,00)	0.830 (21,1)
C Typ	See Chart	See Chart
D	0.50 (12,7)	0.50 (12,7)

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