THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 01 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

COMMON APPLICATIONS:

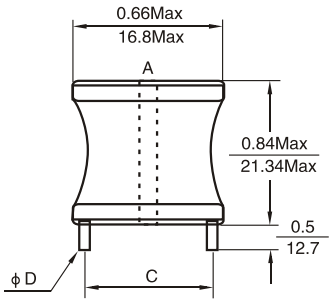
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

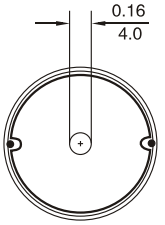
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (ΩMax)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
AIRD01-1R0M	1.0	0.003	9	0.55/13.97	0.051/1.30
AIRD01-1R2M	1.2	0.003	9	0.55/13.97	0.051/1.30
AIRD01-1R5M	1.5	0.004	9	0.55/13.97	0.051/1.30
AIRD01-1R8M	1.8	0.004	9	0.55/13.97	0.051/1.30
AIRD01-2R2M	2.2	0.005	9	0.55/13.97	0.051/1.30
AIRD01-2R7M	2.7	0.005	9	0.55/13.97	0.051/1.30
AIRD01-3R3M	3.3	0.005	9	0.55/13.97	0.051/1.30
AIRD01-3R9M	3.9	0.006	9	0.55/13.97	0.051/1.30
AIRD01-4R7M	4.7	0.007	9	0.55/13.97	0.051/1.30
AIRD01-5R6M	5.6	0.007	9	0.55/13.97	0.051/1.30
AIRD01-6R8M	6.8	0.008	9	0.55/13.97	0.051/1.30
AIRD01-8R2M	8.2	0.009	9	0.55/13.97	0.051/1.30
AIRD01-100K	10	0.010	9	0.55/13.97	0.051/1.30
AIRD01-120K	12	0.011	9	0.55/13.97	0.051/1.30
AIRD01-150K	15	0.015	7.2	0.53/13.46	0.045/1.14
AIRD01-180K	18	0.016	7.2	0.53/13.46	0.045/1.14
AIRD01-220K	22	0.020	5.5	0.53/13.46	0.045/1.14
AIRD01-270K	27	0.030	4.5	0.53/13.46	0.040/1.01
AIRD01-330K	33	0.040	4.0	0.53/13.46	0.040/1.01
AIRD01-390K	39	0.046	4.0	0.53/13.46	0.040/1.01
AIRD01-470K	47	0.062	2.8	0.53/13.46	0.036/0.91
AIRD01-560K	56	0.069	2.8	0.53/13.46	0.036/0.91
AIRD01-680K	68	0.077	2.8	0.50/12.70	0.032/0.81
AIRD01-820K	82	0.083	2.8	0.50/12.70	0.032/0.81
AIRD01-101K	100	0.095	2.8	0.50/12.70	0.032/0.81
AIRD01-121K	120	0.127	2.0	0.50/12.70	0.029/0.73
AIRD01-151K	150	0.181	1.6	0.50/12.70	0.029/0.73
AIRD01-181K	180	0.217	1.6	0.50/12.70	0.025/0.63
AIRD01-221K	220	0.240	1.6	0.50/12.70	0.025/0.63
AIRD01-271K	270	0.300	1.6	0.47/11.94	0.020/0.51
AIRD01-331K	330	0.336	1.3	0.47/11.94	0.020/0.51
AIRD01-391K	390	0.460	1.0	0.47/11.94	0.020/0.51
AIRD01-471K	470	0.636	0.8	0.47/11.94	0.020/0.51
AIRD01-561K	560	0.696	0.8	0.47/11.94	0.020/0.51

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 02 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

COMMON APPLICATIONS:

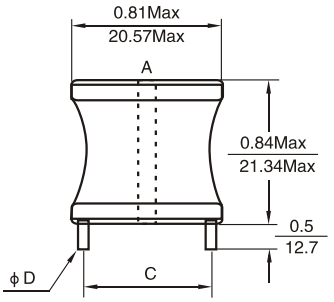
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

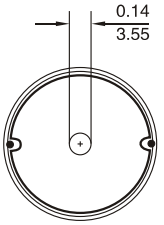
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
AIRD02-1R0M	1.0	0.003	11.4	0.63/16.00	0.072/1.83
AIRD02-1R2M	1.2	0.003	11.4	0.63/16.00	0.072/1.83
AIRD02-1R5M	1.5	0.003	11.4	0.63/16.00	0.072/1.83
AIRD02-1R8M	1.8	0.003	11.4	0.63/16.00	0.072/1.83
AIRD02-2R2M	2.2	0.004	11.4	0.63/16.00	0.072/1.83
AIRD02-2R7M	2.7	0.005	11.4	0.63/16.00	0.064/1.62
AIRD02-3R3M	3.3	0.005	11.4	0.63/16.00	0.064/1.62
AIRD02-3R9M	3.9	0.005	11.4	0.63/16.00	0.064/1.62
AIRD02-4R7M	4.7	0.005	11.4	0.63/16.00	0.064/1.62
AIRD02-5R6M	5.6	0.006	11.4	0.63/16.00	0.064/1.62
AIRD02-6R8M	6.8	0.007	11.4	0.63/16.00	0.064/1.62
AIRD02-8R2M	8.2	0.007	11.4	0.63/16.00	0.064/1.62
AIRD02-100K	10	0.009	11.4	0.63/16.00	0.064/1.62
AIRD02-120K	12	0.009	11.4	0.63/16.00	0.057/1.45
AIRD02-150K	15	0.013	9.0	0.63/16.00	0.057/1.45
AIRD02-180K	18	0.018	7.2	0.63/16.00	0.051/1.30
AIRD02-220K	22	0.019	7.2	0.63/16.00	0.051/1.30
AIRD02-270K	27	0.026	5.5	0.63/16.00	0.051/1.30
AIRD02-330K	33	0.029	5.5	0.60/15.24	0.045/1.14
AIRD02-390K	39	0.030	5.5	0.60/15.24	0.045/1.14
AIRD02-470K	47	0.035	5.5	0.62/15.74	0.045/1.14
AIRD02-560K	56	0.039	5.5	0.62/15.74	0.040/1.01
AIRD02-680K	68	0.053	4.8	0.62/15.74	0.040/1.01
AIRD02-820K	82	0.060	4.8	0.62/15.74	0.040/1.01
AIRD02-101K	100	0.080	4.0	0.62/15.74	0.036/0.91
AIRD02-121K	120	0.090	4.0	0.62/15.74	0.036/0.91
AIRD02-151K	150	0.098	4.0	0.62/15.74	0.032/0.81
AIRD02-181K	180	0.110	4.0	0.62/15.74	0.032/0.81
AIRD02-221K	220	0.150	2.8	0.62/15.74	0.032/0.81
AIRD02-271K	270	0.213	2.0	0.60/15.24	0.029/0.73
AIRD02-331K	330	0.305	1.6	0.60/15.24	0.029/0.73
AIRD02-391K	390	0.320	1.6	0.60/15.24	0.025/0.64
AIRD02-471K	470	0.355	1.6	0.60/15.24	0.025/0.64
AIRD02-561K	560	0.388	1.6	0.60/15.24	0.025/0.64
AIRD02-681K	680	0.430	1.6	0.60/15.24	0.025/0.64
AIRD02-821K	820	0.590	1.3	0.60/15.24	0.023/0.58
AIRD02-102K	1000	0.818	1.0	0.60/15.24	0.020/0.51
AIRD02-122K	1200	1.14	0.8	0.60/15.24	0.020/0.51
AIRD02-152K	1500	1.26	0.8	0.60/15.24	0.020/0.51
AIRD02-182K	1800	1.39	0.8	0.60/15.24	0.018/0.45
AIRD02-222K	2200	1.54	0.8	0.60/15.24	0.018/0.45

Note: K=±10%, M=±20%

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10% △Q/Q≤ ± 25%

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 03 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

COMMON APPLICATIONS:

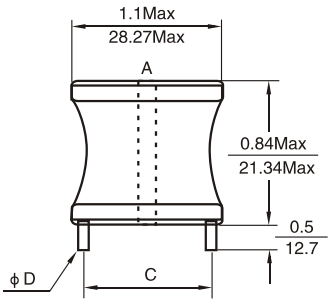
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

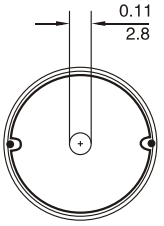
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (ΩMax)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
AIRD03-1R0M	1.0	0.003	21	0.80/20.32	0.081/2.05
AIRD03-1R2M	1.2	0.003	21	0.80/20.32	0.081/2.05
AIRD03-1R5M	1.5	0.003	21	0.80/20.32	0.081/2.05
AIRD03-1R8M	1.8	0.003	21	0.80/20.32	0.081/2.05
AIRD03-2R2M	2.2	0.003	21	0.80/20.32	0.081/2.05
AIRD03-2R7M	2.7	0.003	21	0.80/20.32	0.081/2.05
AIRD03-3R3M	3.3	0.003	21	0.80/20.32	0.081/2.05
AIRD03-3R9M	3.9	0.003	21	0.80/20.32	0.081/2.05
AIRD03-4R7M	4.7	0.003	21	0.80/20.32	0.081/2.05
AIRD03-5R6M	5.6	0.003	21	0.82/20.82	0.081/2.05
AIRD03-6R8M	6.8	0.004	21	0.82/20.82	0.081/2.05
AIRD03-8R2M	8.2	0.004	21	0.82/20.82	0.081/2.05
AIRD03-100K	10	0.006	17	0.82/20.82	0.081/2.05
AIRD03-120K	12	0.008	13.5	0.80/20.32	0.072/1.82
AIRD03-150K	15	0.009	13.5	0.80/20.32	0.072/1.82
AIRD03-180K	18	0.010	13.5	0.80/20.32	0.072/1.82
AIRD03-220K	22	0.011	13.5	0.79/20.06	0.064/1.62
AIRD03-270K	27	0.012	13.5	0.79/20.06	0.064/1.62
AIRD03-330K	33	0.017	13.5	0.79/20.06	0.064/1.62
AIRD03-390K	39	0.022	11.4	0.79/20.06	0.057/1.44
AIRD03-470K	47	0.024	9.0	0.79/20.06	0.057/1.44
AIRD03-560K	56	0.026	9.0	0.79/20.06	0.057/1.44
AIRD03-680K	68	0.029	9.0	0.79/20.06	0.057/1.44
AIRD03-820K	82	0.032	9.0	0.79/20.06	0.051/1.37
AIRD03-101K	100	0.034	9.0	0.79/20.06	0.051/1.37
AIRD03-121K	120	0.046	7.2	0.79/20.06	0.051/1.37
AIRD03-151K	150	0.064	5.5	0.77/19.56	0.045/1.14
AIRD03-181K	180	0.072	5.5	0.77/19.56	0.045/1.14
AIRD03-221K	220	0.080	5.5	0.77/19.56	0.040/1.01
AIRD03-271K	270	0.110	4.5	0.77/19.56	0.040/1.01
AIRD03-331K	330	0.122	4.5	0.77/19.56	0.040/1.01
AIRD03-391K	390	0.169	4.0	0.77/19.56	0.036/0.91
AIRD03-471K	470	0.187	4.0	0.77/19.56	0.036/0.91
AIRD03-561K	560	0.205	4.0	0.77/19.56	0.032/0.81
AIRD03-681K	680	0.256	2.8	0.77/19.56	0.032/0.81
AIRD03-821K	820	0.288	2.8	0.77/19.56	0.032/0.81
AIRD03-102K	1000	0.426	2.0	0.75/19.05	0.029/0.73
AIRD03-122K	1200	0.426	2.0	0.75/19.05	0.029/0.73
AIRD03-152K	1500	0.518	2.0	0.75/19.05	0.025/0.64
AIRD03-182K	1800	0.705	16	0.75/19.05	0.025/0.64
AIRD03-222K	2200	1.02	1.3	0.75/19.05	0.025/0.64
AIRD03-272K	2700	1.14	1.3	0.75/19.05	0.023/0.58
AIRD03-332K	3300	1.27	1.3	0.75/19.05	0.020/0.51
AIRD03-392K	3900	1.67	1.0	0.75/19.05	0.020/0.51
AIRD03-472K	4700	1.86	1.0	0.75/19.05	0.020/0.51

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 04 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

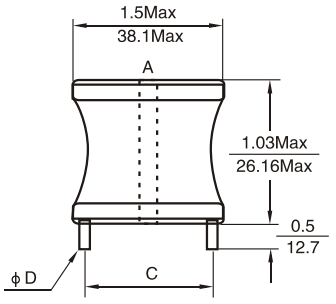
COMMON APPLICATIONS:

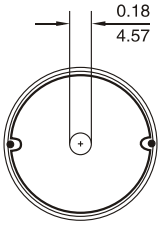
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
AIRD04-1R8M	1.8	0.002	27	1.11/28.19	0.081/2.05
AIRD04-2R2M	2.2	0.002	27	1.11/28.19	0.081/2.05
AIRD04-2R7M	2.7	0.003	27	1.11/28.19	0.081/2.05
AIRD04-3R3M	3.3	0.003	27	1.11/28.19	0.081/2.05
AIRD04-3R9M	3.9	0.003	27	1.11/28.19	0.081/2.05
AIRD04-4R7M	4.7	0.003	27	1.11/28.19	0.081/2.05
AIRD04-5R6M	5.6	0.004	27	1.11/28.19	0.081/2.05
AIRD04-6R8M	6.8	0.004	27	1.15/29.21	0.081/2.05
AIRD04-8R2M	8.2	0.004	27	1.15/29.21	0.081/2.05
AIRD04-100K	10	0.005	27	1.15/29.21	0.081/2.05
AIRD04-120K	12	0.005	27	1.15/29.21	0.081/2.05
AIRD04-150K	15	0.006	27	1.15/29.21	0.081/2.05
AIRD04-180K	18	0.008	27	1.15/29.21	0.081/2.05
AIRD04-220K	22	0.009	21	1.15/29.21	0.081/2.05
AIRD04-270K	27	0.010	21	1.15/29.21	0.081/2.05
AIRD04-330K	33	0.011	21	1.15/29.21	0.072/1.82
AIRD04-390K	39	0.012	21	1.15/29.21	0.072/1.82
AIRD04-470K	47	0.018	14.4	1.15/29.21	0.072/1.82
AIRD04-560K	56	0.019	14.4	1.15/29.21	0.064/1.62
AIRD04-680K	68	0.021	14.4	1.15/29.21	0.064/1.62
AIRD04-820K	82	0.023	14.4	1.15/29.21	0.064/1.62
AIRD04-101K	100	0.025	14.4	1.15/29.21	0.064/1.62
AIRD04-121K	120	0.028	14.4	1.15/29.21	0.057/1.44
AIRD04-151K	150	0.040	14.4	1.15/29.21	0.057/1.44
AIRD04-181K	180	0.045	14.4	1.15/29.21	0.057/1.44
AIRD04-221K	220	0.050	14.4	1.15/29.21	0.051/1.37
AIRD04-271K	270	0.056	14.4	1.15/29.21	0.051/1.37
AIRD04-331K	330	0.074	14.4	1.15/29.21	0.051/1.37
AIRD04-391K	390	0.082	9.0	1.15/29.21	0.045/1.14
AIRD04-471K	470	0.114	7.2	1.15/29.21	0.045/1.14
AIRD04-561K	560	0.125	7.2	1.15/29.21	0.040/1.01
AIRD04-681K	680	0.139	7.2	1.15/29.21	0.040/1.01
AIRD04-821K	820	0.154	7.2	1.15/29.21	0.040/1.01
AIRD04-102K	1000	0.216	5.5	1.15/29.21	0.040/1.01
AIRD04-122K	1200	0.232	5.5	1.14/28.95	0.036/0.91
AIRD04-152K	1500	0.324	4.5	1.14/28.95	0.036/0.91
AIRD04-182K	1800	0.360	4.5	1.14/28.95	0.036/0.91
AIRD04-222K	2200	0.494	4.0	1.10/27.94	0.032/0.81
AIRD04-272K	2700	0.555	4.0	1.12/28.44	0.032/0.81
AIRD04-332K	3300	0.773	2.8	1.10/27.94	0.029/0.73
AIRD04-392K	3900	0.845	2.8	1.10/27.94	0.029/0.73
AIRD04-472K	4700	1.14	2.0	1.12/28.44	0.029/0.73
AIRD04-562K	5600	1.60	2.0	1.09/27.68	0.025/0.64
AIRD04-682K	6800	1.76	1.6	1.12/28.44	0.025/0.64
AIRD04-822K	8200	1.95	1.6	1.09/27.68	0.023/0.58
AIRD04-103K	10000	2.76	1.3	1.11/28.19	0.023/0.58
AIRD04-123K	12000	3.04	1.3	1.08/27.43	0.020/0.51
AIRD04-153K	15000	3.39	1.3	1.10/27.94	0.020/0.51

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10% △Q/Q≤ ± 25%

Note:1. K= ± 10%,M= ± 20%

Note: All specifications subject to change without notice.

RADIAL LEADED POWER LINE CHOKES

AIRD 04A SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

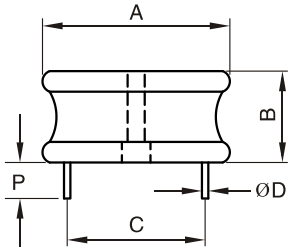
OPTIONS:

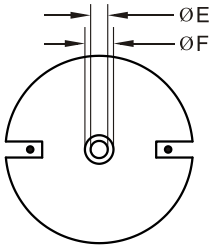
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
1.60/40.64	0.68/17.27	0.50/12.70	0.25/6.35	0.29/7.366

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{oc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD04A–2R2M	2.2	0.0028	28.2	1.10/27.94	0.094/2.3876
AIRD04A–3R9M	3.9	0.0037	27.2	1.10/27.94	0.094/2.3876
AIRD04A–4R7M	4.7	0.0040	25.7	1.10/27.94	0.094/2.3876
AIRD04A–6R8M	6.8	0.0048	23.7	1.10/27.94	0.094/2.3876
AIRD04A–8R2M	8.2	0.0055	22.0	1.16/29.46	0.094/2.3876
AIRD04A–120K	12.0	0.0067	20.7	1.16/29.46	0.084/2.1336
AIRD04A–150K	15.0	0.0070	20.5	1.16/29.46	0.084/2.1336
AIRD04A–180K	18.0	0.0094	20.5	1.16/29.46	0.084/2.1336
AIRD04A–220K	22.0	0.0103	20.4	1.18/29.97	0.084/2.1336
AIRD04A–270K	27.0	0.0121	18.9	1.18/29.97	0.084/2.1336
AIRD04A–330K	33.0	0.0163	14.0	1.17/29.72	0.068/1.7272
AIRD04A–390K	39.0	0.0173	13.6	1.17/29.72	0.068/1.7272
AIRD04A–470K	47.0	0.0196	12.8	1.17/29.72	0.068/1.7272
AIRD04A–560K	56.0	0.0208	12.4	1.18/29.97	0.068/1.7272
AIRD04A–680K	68.0	0.0292	10.7	1.17/29.72	0.060/1.5240
AIRD04A–820K	82.0	0.0319	10.2	1.18/29.97	0.060/1.5240
AIRD04A–101K	100.0	0.0348	9.8	1.18/29.97	0.060/1.5240
AIRD04A–121K	120.0	0.0480	8.3	1.18/29.97	0.048/1.2192
AIRD04A–151K	150	0.0530	7.90	1.18/29.97	0.048/1.219
AIRD04A–181K	180	0.0743	6.40	1.18/29.97	0.048/1.219
AIRD04A–221K	220	0.0833	6.00	1.19/30.23	0.043/1.092
AIRD04A–271K	270	0.0940	5.70	1.19/30.23	0.043/1.092
AIRD04A–331K	330	0.1270	4.80	1.12/28.48	0.039/0.991
AIRD04A–391K	390	0.1380	4.60	1.12/28.48	0.039/0.991
AIRD04A–471K	470	0.1840	4.10	1.12/28.48	0.039/0.991
AIRD04A–561K	560	0.2030	3.90	1.12/28.48	0.033/0.838
AIRD04A–681K	680	0.2790	3.20	1.12/28.48	0.033/0.838
AIRD04A–821K	820	0.3140	3.10	1.12/28.48	0.033/0.838
AIRD04A–102K	1000	0.3480	2.90	1.14/28.96	0.031/0.787
AIRD04A–122K	1200	0.4940	2.40	1.15/29.21	0.031/0.787
AIRD04A–152K	1500	0.5480	2.30	1.14/28.96	0.031/0.787
AIRD04A–182K	1800	0.7320	1.95	1.14/28.96	0.028/0.711
AIRD04A–222K	2200	0.8090	1.80	1.12/28.45	0.028/0.711
AIRD04A–272K	2700	1.1200	1.53	1.13/28.70	0.025/0.635
AIRD04A–332K	3300	1.8200	1.46	1.13/28.70	0.025/0.635
AIRD04A–392K	3900	1.3800	1.40	1.13/28.70	0.025/0.635

Note: K=±10%,M=±20%

RADIAL LEADED POWER LINE CHOKES

AIRD 05 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

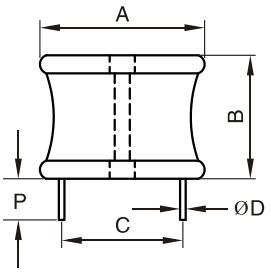
OPTIONS:

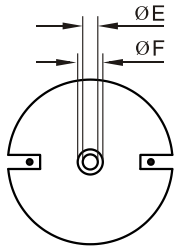
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
1.60/40.64	1.45/36.83	0.50/12.7	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{∞} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ±10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD05–1R8M	1.8	0.002	35.0	1.11/28.194	0.105/2.667
AIRD05–2R2M	2.2	0.002	35.0	1.11/28.194	0.105/2.667
AIRD05–2R7M	2.7	0.002	35.0	1.11/28.194	0.105/2.667
AIRD05–3R3M	3.3	0.002	35.0	1.11/28.194	0.105/2.667
AIRD05–3R9M	3.9	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–4R7M	4.7	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–5R6M	5.6	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–6R8M	6.8	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–8R2M	8.2	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–100k	10.0	0.004	35.0	1.11/28.194	0.105/2.667
AIRD05–120K	12.0	0.004	35.0	1.16/29.464	0.105/2.667
AIRD05–150K	15.0	0.005	35.0	1.16/29.464	0.105/2.667
AIRD05–180K	18.0	0.007	27.0	1.16/29.464	0.094/2.3876
AIRD05–220K	22.0	0.007	27.0	1.16/29.464	0.094/2.3876
AIRD05–270K	27.0	0.008	27.0	1.16/29.464	0.094/2.3876
AIRD05–330K	33.0	0.009	27.0	1.16/29.464	0.094/2.3876
AIRD05–390K	39.0	0.010	27.0	1.16/29.464	0.094/2.3876
AIRD05–470K	47.0	0.011	27.0	1.16/29.464	0.094/2.3876
AIRD05–560K	56.0	0.013	21.0	1.16/29.464	0.094/2.3876
AIRD05–680K	68.0	0.015	21.0	1.25/31.750	0.84/2.1336
AIRD05–820K	82.0	0.017	21.0	1.28/32.512	0.84/2.1336
AIRD05–101K	100.0	0.018	21.0	1.25/31.750	0.84/2.1336
AIRD05–121K	120.0	0.022	17.0	1.16/29.464	0.075/1.9152
AIRD05–151K	150.0	0.025	17.0	1.16/29.464	0.075/1.9152
AIRD05–181K	180.0	0.035	13.5	1.10/27.94	0.068/1.7272
AIRD05–221K	220.0	0.040	13.5	1.10/27.94	0.068/1.7272
AIRD05–271K	270.0	0.044	13.5	1.10/27.94	0.068/1.7272
AIRD05–331K	330.0	0.049	13.5	1.11/28.194	0.068/1.7272
AIRD05–390K	390.0	0.070	11.4	1.15/29.21	0.060/1.524
AIRD05–471K	470.0	0.078	11.4	1.07/27.178	0.060/1.524
AIRD05–561K	560.0	0.105	9.0	1.07/27.178	0.054/1.3716
AIRD05–681K	680.0	0.115	9.0	1.07/27.178	0.054/1.3716
AIRD05–820K	820.0	0.127	9.0	1.12/28.448	0.054/1.3716
AIRD05–102K	1000.0	0.176	7.2	1.12/28.448	0.048/1.2192
AIRD05–122K	1200.0	0.195	7.2	1.12/28.448	0.048/1.2192
AIRD05–152K	1500.0	0.274	5.5	1.12/28.448	0.043/1.0922
AIRD05–182K	1800.0	0.302	5.5	1.13/28.702	0.043/1.0922
AIRD05–222K	2200.0	0.338	5.5	1.16/29.464	0.043/1.0922
AIRD05–272K	2700.0	0.459	4.5	1.02/25.908	0.039/0.9906
AIRD05–332K	3300.0	0.642	4.0	1.02/25.908	0.035/0.8890
AIRD05–392K	3900.0	0.699	4.0	1.14/28.956	0.035/0.8890
AIRD05–472K	4700.0	0.775	4.0	1.14/28.956	0.035/0.8890
AIRD05–562K	5600.0	0.843	4.0	1.14/28.956	0.035/0.8890
AIRD05–682K	6800.0	1.15	2.8	1.06/26.924	0.031/0.7874
AIRD05–822K	8200.0	1.26	2.8	1.16/29.464	0.031/0.7874
AIRD05–103K	10000.0	1.74	2.0	1.13/28.702	0.028/0.7112
AIRD05–123K	12000.0	1.92	2.0	1.13/28.702	0.028/0.7112
AIRD05–153K	15000.0	2.17	2.0	1.13/28.702	0.028/0.7112

Note: K=±10%,M=±20%

RADIAL LEADED POWER LINE CHOKES

AIRD 06 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

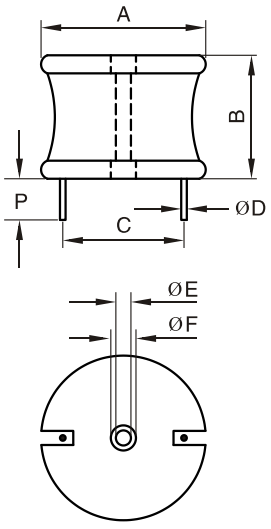
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.00/50.80	1.50/38.10	0.50/12.70	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD06–4R7M	4.7	0.002	35.0	1.40/35.56	0.105/2.667
AIRD06–5R6M	5.6	0.002	35.0	1.40/35.56	0.105/2.667
AIRD06–6R8M	6.8	0.003	35.0	1.40/35.56	0.105/2.667
AIRD06–8R2M	8.2	0.003	35.0	1.40/35.56	0.105/2.667
AIRD06–100k	10.0	0.003	35.0	1.48/37.592	0.105/2.667
AIRD06–120K	12.0	0.004	35.0	1.48/37.592	0.105/2.667
AIRD06–150K	15.0	0.004	35.0	1.48/37.592	0.105/2.667
AIRD06–180K	18.0	0.005	35.0	1.48/37.592	0.105/2.667
AIRD06–220K	22.0	0.006	35.0	1.48/37.592	0.105/2.667
AIRD06–270K	27.0	0.006	35.0	1.48/37.592	0.105/2.667
AIRD06–330K	33.0	0.006	35.0	1.48/37.592	0.105/2.667
AIRD06–390K	39.0	0.008	35.0	1.48/37.592	0.105/2.667
AIRD06–470K	47.0	0.008	35.0	1.48/37.592	0.105/2.667
AIRD06–560K	56.0	0.009	35.0	1.48/37.592	0.105/2.667
AIRD06–680K	68.0	0.009	35.0	1.48/37.592	0.105/2.667
AIRD06–820K	82.0	0.010	35.0	1.48/37.592	0.105/2.667
AIRD06–101K	100.0	0.014	27.0	1.53/38.862	0.094/2.3876
AIRD06–121K	120.0	0.015	27.0	1.53/38.862	0.094/2.3876
AIRD06–151K	150.0	0.023	21.0	1.49/37.846	0.084/2.1336
AIRD06–181K	180.0	0.025	21.0	1.49/37.846	0.084/2.1336
AIRD06–221K	220.0	0.028	21.0	1.49/37.846	0.084/2.1336
AIRD06–271K	270.0	0.030	21.0	1.49/37.846	0.084/2.1336
AIRD06–331K	330.0	0.040	17.0	1.31/33.274	0.075/1.905
AIRD06–390K	390.0	0.055	13.5	1.31/33.274	0.068/1.7272
AIRD06–471K	470.0	0.061	13.5	1.31/33.274	0.068/1.7272
AIRD06–561K	560.0	0.068	13.5	1.40/35.560	0.068/1.7272
AIRD06–681K	680.0	0.094	11.4	1.42/36.068	0.060/1.524
AIRD06–820K	820.0	0.104	11.4	1.42/36.068	0.060/1.524
AIRD06–102K	1000.0	0.143	9.0	1.36/34.544	0.054/1.3716
AIRD06–122K	1200.0	0.156	9.0	1.36/34.544	0.054/1.3716
AIRD06–152K	1500.0	0.219	7.2	1.31/33.274	0.048/1.2192
AIRD06–182K	1800.0	0.241	7.2	1.31/33.274	0.048/1.2192
AIRD06–222K	2200.0	0.270	7.2	1.40/35.560	0.048/1.2192
AIRD06–272K	2700.0	0.364	5.5	1.36/34.544	0.043/1.0922
AIRD06–332K	3300.0	0.498	4.5	1.24/31.496	0.039/0.9906
AIRD06–392K	3900.0	0.548	4.5	1.32/33.528	0.039/0.9906
AIRD06–472K	4700.0	0.608	4.5	1.32/33.528	0.039/0.9906
AIRD06–562K	5600.0	0.671	4.5	1.36/34.544	0.039/0.9906
AIRD06–682K	6800.0	0.750	4.5	1.40/35.560	0.039/0.9906
AIRD06–822K	8200.0	1.030	4.0	1.45/36.830	0.035/0.8890
AIRD06–103K	10000.0	1.160	4.0	1.45/36.830	0.035/0.8890
AIRD06–123K	12000.0	1.540	2.8	1.40/35.560	0.031/0.7874
AIRD06–153K	15000.0	1.750	2.8	1.40/35.560	0.031/0.7112
AIRD06–183K	18000.0	1.940	2.8	1.45/36.830	0.028/0.7112
AIRD06–223K	22000.0	2.740	2.0	1.37/34.798	0.028/0.7112
AIRD06–273K	27000.0	3.710	1.7	1.37/34.798	0.025/0.6350
AIRD06–333K	33000.0	4.160	1.7	1.37/34.798	0.025/0.6350
AIRD06–393K	39000.0	5.560	1.4	1.35/34.290	0.025/0.6350
AIRD06–473K	47000.0	6.190	1.4	1.35/34.290	0.022/0.5588

Note: K=±10%,M=±20%

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086–29–87851838 Fax:0086–29–87851840

RADIAL LEADED POWER LINE CHOKES

AIRD 06A SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

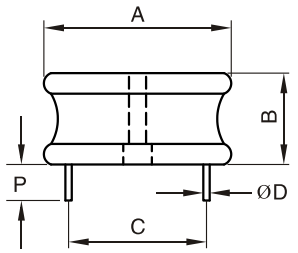
OPTIONS:

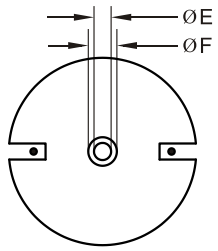
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.00/50.80	0.74/18.80	0.50/12.70	0.25/6.35	0.375/9.525

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD06A–2R2M	2.2	0.0021	34.7	1.21/30.73	0.105/2.667
AIRD06A–3R3M	3.3	0.0026	33.7	1.29/32.77	0.105/2.667
AIRD06A–5R6M	5.6	0.0036	31.0	1.29/32.77	0.105/2.667
AIRD06A–8R2M	8.2	0.0041	30.4	1.29/32.77	0.105/2.667
AIRD06A–120K	12.0	0.0047	29.6	1.37/34.80	0.105/2.667
AIRD06A–150K	15.0	0.0055	27.6	1.39/35.31	0.094/2.388
AIRD06A–180K	18.0	0.0062	25.9	1.37/34.80	0.094/2.388
AIRD06A–220K	22.0	0.0068	24.5	1.37/34.80	0.094/2.388
AIRD06A–270K	27.0	0.0077	23.3	1.37/34.80	0.094/2.388
AIRD06A–330K	33.0	0.0084	22.3	1.37/34.80	0.094/2.388
AIRD06A–390K	39.0	0.0112	18.4	1.17/29.72	0.084/2.134
AIRD06A–470K	47.0	0.0132	18.0	1.17/29.72	0.084/2.134
AIRD06A–560K	56.0	0.0142	17.5	1.44/36.58	0.075/1.915
AIRD06A–680K	68.0	0.0180	15.6	1.44/36.58	0.075/1.915
AIRD06A–820K	82.0	0.0202	14.8	1.43/36.32	0.075/1.915
AIRD06A–101K	100.0	0.0223	14.0	1.43/36.32	0.075/1.915
AIRD06A–121K	120.0	0.0324	11.7	1.44/36.58	0.060/1.524
AIRD06A–151K	150.0	0.0368	11.0	1.44/36.58	0.060/1.524
AIRD06A–181K	180.0	0.0468	9.5	1.44/36.58	0.054/1.372
AIRD06A–221K	220.0	0.0520	9.0	1.44/36.58	0.054/1.372
AIRD06A–271K	270	0.0587	8.50	1.46/37.08	0.054/1.372
AIRD06A–331K	330	0.0780	7.80	1.46/37.08	0.054/1.372
AIRD06A–391K	390	0.0844	7.50	1.45/36.83	0.048/1.219
AIRD06A–471K	470	0.1200	6.50	1.43/36.32	0.048/1.219
AIRD06A–561K	560	0.1310	6.20	1.44/36.58	0.048/1.219
AIRD06A–681K	680	0.1420	6.00	1.46/37.08	0.048/1.219
AIRD06A–821K	820	0.1870	4.90	1.45/36.83	0.043/1.092
AIRD06A–102K	1000	0.2060	4.70	1.45/36.83	0.043/1.092
AIRD06A–122K	1200	0.3010	3.85	1.45/36.83	0.035/0.889
AIRD06A–152K	1500	0.3530	3.74	1.46/37.08	0.035/0.889
AIRD06A–182K	1800	0.3830	3.43	1.46/37.08	0.035/0.889
AIRD06A–222K	2200	0.5480	2.90	1.45/36.83	0.031/0.787
AIRD06A–272K	2700	0.7930	2.28	1.46/37.08	0.031/0.787
AIRD06A–332K	3300	0.8740	2.15	1.45/36.83	0.031/0.787
AIRD06A–392K	3900	0.9480	2.08	1.46/37.08	0.031/0.787
AIRD06A–472K	4700	1.2400	2.00	1.46/37.08	0.028/0.711
AIRD06A–562K	5600	1.4000	1.88	1.46/37.08	0.028/0.711
AIRD06A–682K	6800	1.8400	1.80	1.46/37.08	0.028/0.711
AIRD06A–822K	8200	2.3800	1.50	1.47/37.34	0.028/0.711
AIRD06A–103K	10000	2.7500	1.40	1.47/37.34	0.028/0.711

Note: K= ± 10%,M= ± 20%

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086–29–87851838 Fax:0086–29–87851840

RADIAL LEADED POWER LINE CHOKES

AIRD 07A SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

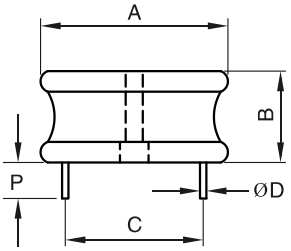
OPTIONS:

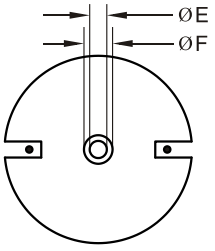
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	0.74/18.80	0.50/12.70	0.25/6.35	0.425/10.795

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{oc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ±10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD07A–1R0M	1.0	0.0018	44.0	1.52/38.61	0.120/3.048
AIRD07A–2R2M	2.2	0.0024	40.0	1.52/38.61	0.120/3.048
AIRD07A–4R7M	4.7	0.0030	36.0	1.60/40.64	0.109/2.769
AIRD07A–8R2M	8.2	0.0042	32.0	1.29/32.77	0.109/2.769
AIRD07A–120K	12.0	0.0053	30.0	1.64/41.66	0.109/2.769
AIRD07A–150K	15.0	0.0060	28.0	1.69/42.93	0.094/2.388
AIRD07A–180K	18.0	0.0067	27.0	1.77/44.96	0.094/2.388
AIRD07A–220K	22.0	0.0076	26.0	1.77/44.96	0.094/2.388
AIRD07A–270K	27.0	0.0085	24.0	1.77/44.96	0.094/2.388
AIRD07A–330K	33.0	0.0094	23.0	1.86/47.24	0.094/2.388
AIRD07A–390K	39.0	0.0130	20.0	1.86/47.24	0.084/2.134
AIRD07A–470K	47.0	0.0150	19.0	1.78/45.21	0.084/2.134
AIRD07A–560K	56.0	0.0160	18.0	1.88/47.75	0.084/2.134
AIRD07A–680K	68.0	0.0210	16.0	1.88/47.75	0.084/2.134
AIRD07A–820K	82.0	0.0240	14.0	1.82/46.23	0.084/2.134
AIRD07A–101K	100.0	0.0310	13.0	1.77/44.96	0.068/1.727
AIRD07A–121K	120.0	0.0350	12.0	1.87/47.50	0.068/1.727
AIRD07A–151K	150.0	0.0450	11.0	1.77/44.96	0.068/1.727
AIRD07A–181K	180.0	0.0550	9.5	1.83/46.48	0.054/1.372
AIRD07A–221K	220	0.076	8.0	1.75/44.45	0.054/1.372
AIRD07A–271K	270	0.084	8.0	1.80/45.72	0.054/1.372
AIRD07A–331K	330	0.093	7.5	1.80/45.72	0.048/1.219
AIRD07A–391K	390	0.127	6.5	1.80/45.72	0.048/1.219
AIRD07A–471K	470	0.138	6.0	1.80/45.72	0.048/1.219
AIRD07A–561K	560	0.192	5.0	1.80/45.75	0.043/1.092
AIRD07A–681K	680	0.210	5.0	1.76/44.70	0.043/1.092
AIRD07A–821K	820	0.287	4.0	1.69/42.93	0.039/0.991
AIRD07A–102K	1000	0.320	4.0	1.72/43.69	0.039/0.991
AIRD07A–122K	1200	0.349	3.8	1.76/44.70	0.039/0.991
AIRD07A–152K	1500	0.492	3.2	1.72/43.69	0.039/0.991
AIRD07A–182K	1800	0.544	3.0	1.75/44.45	0.031/0.787
AIRD07A–222K	2200	0.691	2.3	1.71/43.42	0.031/0.787
AIRD07A–272K	2700	0.764	2.2	1.77/44.96	0.031/0.787
AIRD07A–332K	3300	1.027	1.98	1.71/43.43	0.028/0.711
AIRD07A–392K	3900	1.113	1.90	1.70/43.18	0.028/0.711
AIRD07A–472K	4700	1.565	1.65	1.72/43.69	0.025/0.635
AIRD07A–562K	5600	1.700	1.58	1.72/43.69	0.025/0.635
AIRD07A–682K	6800	1.854	1.50	1.46/37.08	0.025/0.635

Note: K=±10%,M=±20%

RADIAL LEADED POWER LINE CHOKES

AIRD 08 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

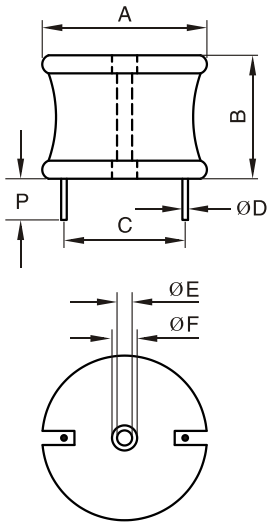
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	2.50/63.50	0.50/12.70	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD08–5R6M	5.6	0.0012	55.0	✲	0.225/5.7150
AIRD08–6R8M	6.8	0.0013	55.0	✲	0.225/5.7150
AIRD08–8R2M	8.2	0.0015	55.0	✲	0.225/5.7150
AIRD08–100K	10.0	0.0017	55.0	✲	0.225/5.7150
AIRD08–120K	12.0	0.0020	55.0	✲	0.225/5.7150
AIRD08–150K	15.0	0.0021	55.0	✲	0.225/5.7150
AIRD08–180K	18.0	0.0023	55.0	✲	0.225/5.7150
AIRD08–220K	22.0	0.0025	55.0	✲	0.225/5.7150
AIRD08–270K	27.0	0.0026	55.0	✲	0.225/5.7150
AIRD08–330K	33.0	0.0029	55.0	✲	0.225/5.7150
AIRD08–390K	39.0	0.0033	55.0	✲	0.225/5.7150
AIRD08–470K	47.0	0.0035	55.0	✲	0.225/5.7150
AIRD08–560K	56.0	0.0039	55.0	✲	0.225/5.7150
AIRD08–680K	68.0	0.0043	50.0	✲	0.225/5.7150
AIRD08–820K	82.0	0.0048	45.0	✲	0.210/5.3340
AIRD08–101K	100.0	0.0052	40.0	✲	0.210/5.3340
AIRD08–121K	120.0	0.0071	39.0	✲	0.210/5.3340
AIRD08–151K	150.0	0.0079	38.0	✲	0.210/5.3340
AIRD08–181K	180.0	0.0087	37.0	✲	0.210/5.3340
AIRD08–221K	220.0	0.0120	33.0	✲	0.190/4.8260
AIRD08–271K	270.0	0.0140	30.0	✲	0.190/4.8260
AIRD08–331K	330.0	0.0180	27.0	1.80/45.72	0.120/3.0480
AIRD08–390K	390.0	0.0200	25.0	1.70/43.18	0.120/3.0480
AIRD08–471K	470.0	0.0280	21.0	1.70/43.18	0.105/2.6670
AIRD08–561K	560.0	0.0310	20.0	1.45/44.45	0.105/2.6670
AIRD08–681K	680.0	0.034	19.0	1.80/45.72	0.105/2.667
AIRD08–820K	820.0	0.047	16.0	1.80/45.72	0.049/2.3876
AIRD08–102K	1000.0	0.052	15.5	1.75/44.45	0.049/2.3876
AIRD08–122K	1200.0	0.057	15	1.78/45.212	0.049/2.3876
AIRD08–152K	1500.0	0.080	13.0	1.80/45.72	0.084/2.1336
AIRD08–182K	1800.0	0.088	12.0	1.70/43.18	0.084/2.1336
AIRD08–222K	2200.0	0.122	10.0	1.70/43.18	0.075/1.905
AIRD08–272K	2700.0	0.135	10.0	1.75/44.45	0.075/1.905
AIRD08–332K	3300.0	0.188	8.0	1.80/45.72	0.068/1.7272
AIRD08–392K	3900.0	0.205	8.0	1.75/44.45	0.068/1.7272
AIRD08–472K	4700.0	0.283	6.7	1.78/45.212	0.0601.5240
AIRD08–562K	5600.0	0.309	6.4	1.80/45.72	0.060/1.5240
AIRD08–682K	6800.0	0.431	5.4	1.70/43.18	0.054/1.3716
AIRD08–822K	8200.0	0.472	5.2	1.75/44.45	0.054/1.3716
AIRD08–103K	10000.0	0.521	5.0	1.80/45.72	0.054/1.3716
AIRD08–123K	12000.0	0.717	4.2	1.80/45.72	0.048/1.2192
AIRD08–153K	15000.0	0.803	4.0	1.75/44.45	0.048/1.2192
AIRD08–183K	18000.0	1.111	3.4	1.78/45.212	0.043/1.0922
AIRD08–223K	22000.0	1.228	3.2	1.80/45.72	0.043/1.0922
AIRD08–273K	27000.0	1.716	2.7	1.75/44.45	0.039/0.9906
AIRD08–333K	33000.0	1.896	2.6	1.80/45.72	0.039/0.9906
AIRD08–393K	39000.0	2.590	2.3	1.75/44.45	0.035/0.8890
AIRD08–473K	47000.0	2.840	2.2	1.78/45.212	0.035/0.8890
AIRD08–563K	56000.0	3.104	2.1	1.80/45.72	0.035/0.8890
AIRD08–683K	68000.0	4.331	1.7	1.85/46.99	0.031/0.7874
AIRD08–823K	82000.0	4.756	1.6	1.90/48.26	0.031/0.7874
AIRD08–104K	100000.0	6.652	1.4	1.95/49.53	0.028/0.7112

✲ Inductors wound with 2 standards of wire. Consult Engineering for dimension. K= ± 10%,M= ± 20%

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086–29–87851838 Fax:0086–29–87851840