

THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTORS FALGB0709C-0809C SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS

Part Number	L μ H	Test Freq KHz	DCR ohm Max	IDC Max A	Part Number	L μ H	Test Freq KHz	DCR ohm Max	IDC Max A
FALG B0709C -1R0M	1.00	1	0.006	5.00	FALG B0809C -2R2M	2.20	1	0.011	4.00
FALG B0709C -1R5M	1.50	1	0.008	4.30	FALG B0809C -3R3M	3.30	1	0.013	3.40
FALG B0709C -2R2M	2.20	1	0.011	3.70	FALG B0809C -4R7M	4.70	1	0.017	3.00
FALG B0709C -3R3M	3.30	1	0.018	2.90	FALG B0809C -6R8M	6.80	1	0.023	2.60
FALG B0709C -4R7M	4.70	1	0.022	2.60	FALG B0809C -100M	10	1	0.031	2.20
FALG B0709C -6R8M	6.80	1	0.028	2.30	FALG B0809C -150M	15	1	0.042	1.90
FALG B0709C -100M	10	1	0.043	1.90	FALG B0809C -220M	22	1	0.070	1.50
FALG B0709C -150M	15	1	0.056	1.60	FALG B0809C -330M	33	1	0.092	1.20
FALG B0709C -220M	22	1	0.086	1.30	FALG B0809C -470M	47	1	0.130	1.00
FALG B0709C -330M	33	1	0.140	1.00	FALG B0809C -680M	68	1	0.160	0.97
FALG B0709C -470M	47	1	0.170	0.94	FALG B0809C -101K	100	1	0.230	0.81
FALG B0709C -680M	68	1	0.280	0.73	FALG B0809C -151K	150	1	0.400	0.61
FALG B0709C -101K	100	1	0.330	0.67	FALG B0809C -221K	220	1	0.530	0.53
FALG B0709C -151K	150	1	0.560	0.52	FALG B0809C -331K	330	1	0.780	0.44
FALG B0709C -221K	220	1	0.720	0.46	FALG B0809C -471K	470	1	1.000	0.39
FALG B0709C -331K	330	1	1.100	0.37	FALG B0809C -681K	680	1	1.500	0.32
FALG B0709C -471K	470	1	1.700	0.30	FALG B0809C -102K	1000	1	2.200	0.26
FALG B0709C -681K	680	1	2.300	0.26	FALG B0809C -152K	1500	1	3.500	0.21
FALG B0709C -102K	1000	1	4.300	0.19					
FALG B0709C -152K	1500	1	5.000	0.16					

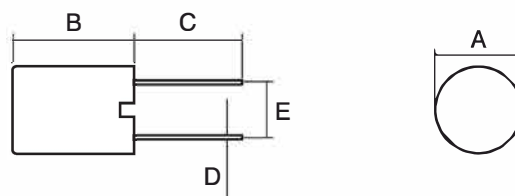
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION

- Testing: [Equivalent acceptable] Inductance:HP4284A
- RDC:QuadTech 1880 Milliohmmer
- Q- HP4342A - SRF-HP4191A
- IDC Max is decreased 10% against its initial value
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase,Infrared Reflo
- Resistance to soldering heat:260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS



DIMENSIDNS in mm

Part number	A	B	C	D	E
FA LG B0709C	8.0Max	9.6Max	5.0Min	0.6	5.0
FA LG B0809C	9.0Max	9.6Max	5.0Min	0.6	5.0

THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR FALGB1112C-1315C SERIES



FEATURES:

Plastic housing
Water proof structure Ferrite Core
Excellent Mechanical Strength
Excellent Solderability
High Reliability

OPTIONS:

Packaging:Tape & Reel is standard
(Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard
tighter tolerances available

COMMON APPLICATIONS:

VCRs, PDP, LCD, TV set
Automotive Systems
Computer Peripheral Equipment
GPS, DC/DC converter, XDSL Modem
Electronic Games
Communications Equipment
General Electronic Applications

ELECTRICAL CHARACTERISTICS

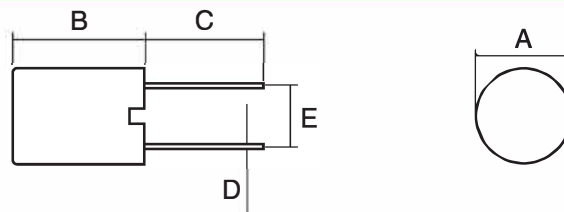
Part Number	L μ H	Test Freq KHz	DCR ohm Max	IDC Max A	Part Number	L μ H	Test Freq KHz	DCR ohm Max	IDC Max A
FALGB1112C-3R3M	3.30	1	0.010	5.90	FALGB1315C-100M	10	1	0.023	5.10
FALGB1112C-4R7M	4.70	1	0.015	4.80	FALGB1315C-150M	15	1	0.028	4.50
FALGB1112C-6R8M	6.80	1	0.016	4.60	FALGB1315C-220M	22	1	0.035	4.20
FALGB1112C-100M	10	1	0.025	3.70	FALGB1315C-330M	33	1	0.043	3.70
FALGB1112C-150M	15	1	0.029	3.40	FALGB1315C-470M	47	1	0.052	3.40
FALGB1112C-220M	22	1	0.040	2.90	FALGB1315C-680M	68	1	0.068	3.00
FALGB1112C-330M	33	1	0.062	2.30	FALGB1315C-101K	100	1	0.097	2.50
FALGB1112C-470M	47	1	0.075	2.10	FALGB1315C-151K	150	1	0.140	2.10
FALGB1112C-680M	68	1	0.130	1.60	FALGB1315C-221K	220	1	0.200	1.70
FALGB1112C-101K	100	1	0.160	1.40	FALGB1315C-331K	330	1	0.300	1.40
FALGB1112C-151K	150	1	0.260	1.10	FALGB1315C-471K	470	1	0.430	1.10
FALGB1112C-221K	220	1	0.330	1.00	FALGB1315C-681K	680	1	0.610	0.99
FALGB1112C-331K	330	1	0.520	0.82	FALGB1315C-102K	1000	1	1.000	0.78
FALGB1112C-471K	470	1	0.660	0.72	FALGB1315C-152K	1500	1	1.300	0.68
FALGB1112C-681K	680	1	1.100	0.56	FALGB1315C-222K	2200	1	2.000	0.55
FALGB1112C-102K	1000	1	1.400	0.50	FALGB1315C-332K	3300	1	3.100	0.44
FALGB1112C-152K	1500	1	2.400	0.38	FALGB1315C-472K	4700	1	4.400	0.37
FALGB1112C-222K	2200	1	3.200	0.33	FALGB1315C-682K	6800	1	6.500	0.30
FALGB1112C-332K	3300	1	4.900	0.26	FALGB1315C-103K	10000	1	10.00	0.24
FALGB1112C-472K	4700	1	7.600	0.21					
FALGB1112C-682K	6800	1	9.800	0.18					
FALGB1112C-103K	10000	1	18.00	0.14					
FALGB1112C-153K	15000	1	24.00	0.12					

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION

IDC Max:Determined when superimposed
Testing: [Equivalent acceptable] Inductance:HP4284A
RDC:QuadTech 1880 Milliohm meter
Q- HP4342A - SRF-HP4191A
DC current is decreased 10% against its initial value
Operating temperature: -40°C to +105°C
Storage Temperature: -40°C to +105°C
Solder methods: Vapor Phase,Infrared Reflo
Resistance to soldering heat:260°C for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS



DIMENSIDNS in mm

Part number	A	B	C	D	E
FALGB1112C	11.5Max	12.5Max	5.0Min	0.6	5.0
FALGB1315C	14.0Max	17.0Max	5.0Min	0.6	5.0

THROUGH-HOLE RADIAL SHIELDED POWER INDUCTOR FALGS0606-0708 SERIES



FEATURES:

Magnetically Shielded Construction
Heat Resistant Molded Resin
Excellent Mechanical Strength
Excellent Solderability
High Reliability
Low Profile

OPTIONS:

Packaging: Tape & Reel is standard [Qty:2000pcs]
Bulk packaging available for smaller quantities
Tolerance: 10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

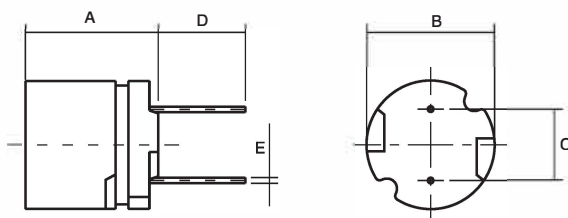
VCRs, AC/DC, DC/DC Converter
Video Cameras
Communication Systems
Automotive Systems
Liquid Crystal Televisions
Power Supplier
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L μ H	Test Freq Mhz	DCR ohm Max	IDC Max mA	Part Number	L μ H	Test Freq Mhz	DCR ohm Max	IDC Max mA
FALGS0606-220M	22	2.52	0.13	960	FALGS0708-220M	22	2.52	0.08	1600
FALGS0606-270M	27	2.52	0.18	870	FALGS0708-270M	27	2.52	0.10	1400
FALGS0606-330M	33	2.52	0.21	780	FALGS0708-330M	33	2.52	0.14	1300
FALGS0606-390M	39	2.52	0.26	720	FALGS0708-390M	39	2.52	0.15	1200
FALGS0606-470M	47	2.52	0.29	660	FALGS0708-470M	47	2.52	0.17	1100
FALGS0606-560K	56	2.52	0.33	600	FALGS0708-560K	56	2.52	0.19	990
FALGS0606-680K	68	2.52	0.36	550	FALGS0708-680K	68	2.52	0.21	890
FALGS0606-820K	82	2.52	0.39	500	FALGS0708-820K	82	2.52	0.27	810
FALGS0606-101K	100	0.001	0.54	450	FALGS0708-101K	100	0.001	0.32	740
FALGS0606-121K	120	0.001	0.62	410	FALGS0708-121K	120	0.001	0.36	670
FALGS0606-151K	150	0.001	0.72	370	FALGS0708-151K	150	0.001	0.51	600
FALGS0606-181K	180	0.001	0.88	340	FALGS0708-181K	180	0.001	0.57	550
FALGS0606-221K	220	0.001	0.99	300	FALGS0708-221K	220	0.001	0.76	500
FALGS0606-271K	270	0.001	1.52	270	FALGS0708-271K	270	0.001	0.86	450
FALGS0606-331K	330	0.001	1.69	250	FALGS0708-331K	330	0.001	0.97	410
FALGS0606-391K	390	0.001	1.85	230	FALGS0708-391K	390	0.001	1.28	370
FALGS0606-471K	470	0.001	2.85	210	FALGS0708-471K	470	0.001	1.44	340
FALGS0606-561K	560	0.001	3.21	190	FALGS0708-561K	560	0.001	1.61	310
FALGS0606-681K	680	0.001	3.60	170	FALGS0708-681K	680	0.001	2.07	280
FALGS0606-821K	820	0.001	4.87	160	FALGS0708-821K	820	0.001	2.33	260
FALGS0606-102K	1000	0.001	5.65	140	FALGS0708-102K	1000	0.001	2.72	230
					FALGS0708-122K	1200	0.001	3.98	210
					FALGS0708-152K	1500	0.001	4.50	190
					FALGS0708-182K	1800	0.001	6.81	170
					FALGS0708-222K	2200	0.001	7.56	160
					FALGS0708-272K	2700	0.001	8.54	140
					FALGS0708-332K	3300	0.001	9.74	130
					FALGS0708-392K	3900	0.001	12.9	120
					FALGS0708-472K	4700	0.001	14.7	110
					FALGS0708-562K	5600	0.001	20.4	99
					FALGS0708-682K	6800	0.001	23.0	89
					FALGS0708-822K	8200	0.001	30.6	81
					FALGS0708-102K	10000	0.001	35.0	74

Note: 1. K=±10%, M=±20%, N=±30%

PHYSICAL CHARACTERISTICS



DIMENSIONS in mm

Part number	A	B	C	D	E
FALGS0606	6.5Max	6.0±0.5	4.0±0.5	4.0Min	0.55
FALGS0708	7.5Max	7.8±0.5	5.0±0.5	4.0Min	0.65

TECHNICAL INFORMATION

Testing: [Equivalent acceptable] Inductance: HP4342A HP4284A
RDC: QuadTech 1880 Milliohmeter
Q- HP4342A - SRF-HP4191A
DC current is decreased 10% against its initial value
Operating temperature: -40°C to +105°C
Storage Temperature: -40°C to +105°C
Solder methods: Vapor Phase, Infrared Reflow
Resistance to soldering heat: 260°C for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL SHIELDED POWER INDUCTOR FALGS1009-1159 SERIES



FEATURES:

- Magnetically Shielded Construction
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low DCR Large Current

OPTIONS:

- Packaging: Tape & Reel is standard [Qty: 2000pcs]
- Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

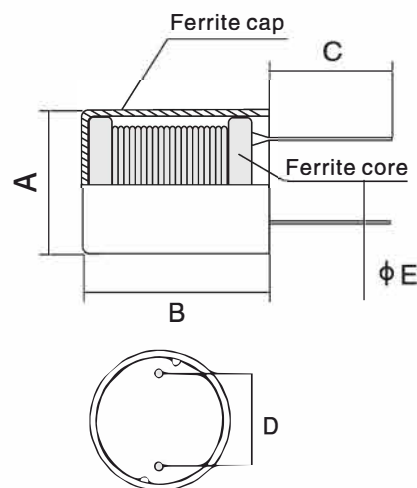
- VCRs, AC/DC, DC/DC Converter
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Power Supplier
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L mH	Test Freq Khz	Q Min	DCR (Ω) Max	IDC Max mA
FALGS1014-122K	1.2	1	50	1.2	200
FALGS1014-152K	1.5	1	50	1.5	200
FALGS1014-182K	1.8	1	50	1.6	200
FALGS1014-222K	2.2	1	50	1.8	200
FALGS1014-272K	2.7	1	40	1.9	200
FALGS1014-332K	3.3	1	40	2.3	200
FALGS1014-392K	3.9	1	40	2.5	200
FALGS1014-472K	4.7	1	40	3.7	140
FALGS1014-502K	5.0	1	40	3.8	140
FALGS1014-562K	5.6	1	40	4.0	140
FALGS1014-682K	6.8	1	40	4.2	140
FALGS1014-822K	8.2	1	40	5.3	140
FALGS1014-103K	10	1	100	7.3	100
FALGS1014-123K	12	1	100	8.3	100
FALGS1014-153K	15	1	100	11.0	90
FALGS1014-183K	18	1	100	13.6	75
FALGS1014-223K	22	1	100	15.4	75
FALGS1014-273K	27	1	100	17.9	75
FALGS1014-333K	33	1	100	23.3	60
FALGS1014-393K	39	1	100	25.9	60
FALGS1014-473K	47	1	80	30.4	60
FALGS1014-503K	50	1	80	37.8	50
FALGS1014-563K	56	1	80	39.1	50
FALGS1014-683K	68	1	50	40	50
FALGS1014-823K	82	1	50	47	40
FALGS1014-104K	100	1	120	50	40
FALGS1014-124K	120	1	100	91	30
FALGS1014-154K	150	1	90	140	20
FALGS1014-184K	180	1	90	164	20
FALGS1014-224K	220	1	90	182	20
FALGS1014-274K	270	1	90	200	20
FALGS1014-334K	330	1	80	275	15
FALGS1014-394K	390	1	80	300	15
FALGS1014-474K	470	1	80	345	15
FALGS1014-564K	560	1	60	520	8.4
FALGS1014-684K	680	1	60	590	8.4
FALGS1014-824K	820	1	50	675	8.4
FALGS1014-105K	1000	1	50	770	8.4
FALGS1014-125K	1200	1	50	845	8.4

Note: L: K=±10%, M=±20%, N=±30%

PHYSICAL CHARACTERISTICS



DIMENSIONS in mm

Part Number	A	B	C	D	E
FALGS1009	11.0Max	9.5Max	5.0Min	5.0±0.5	0.7
FALGS1014	11.0Max	14.0Max	5.0Min	5.0±0.5	0.7
FALGS1216	12.5Max	16.0Max	5.0Min	5.0±0.5	0.8
FALGS1519	16.0Max	19.5Max	5.0Min	7.5±0.5	0.8

TECHNICAL INFORMATION

IDC Max: Determined when superimposed Testing: [Equivalent acceptable] Inductance: HP4342A, HP4284A
 RDC: QuadTech 1880 Milliohm meter
 Q- HP4342A - SRF-HP4191A
 DC current is decreased 10% against its initial value
 Operating temperature: -40°C to +105°C
 Storage Temperature: -40°C to +105°C
 Solder methods: Vapor Phase, Infrared Reflow
 Resistance to soldering heat: 260°C for 10 secon
 Solvent resistance: Conforms to MIL-STD-202E
 Marking: Inductance & Tolerance

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES FAAIRD01 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
tightertolerances available.

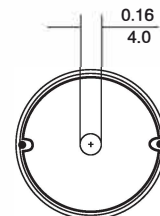
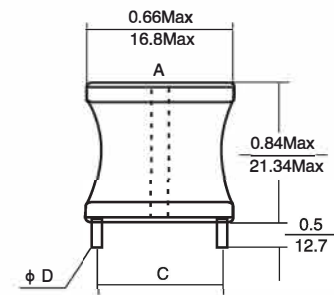
COMMON APPLICATIONS:

Switching Regulators
RFI Suppression Filters
SCR and TRIAC Controls
Automotive Systems

STANDARD SPECIFICATIONS					
Part Number	L [μ H] @1KHz	DCR (Ω)Max	IDC [A Max]	Dim[Inches/mm] C Approx.	Dim[Inches/mm] D Nom.
FAAIRD01-1R0M	1.0	0.003	9	0.55/13.97	0.051/1.30
FAAIRD01-1R2M	1.2	0.003	9	0.55/13.97	0.051/1.30
FAAIRD01-1R5M	1.5	0.004	9	0.55/13.97	0.051/1.30
FAAIRD01-1R8M	1.8	0.004	9	0.55/13.97	0.051/1.30
FAAIRD01-2R2M	2.2	0.005	9	0.55/13.97	0.051/1.30
FAAIRD01-2R7M	2.7	0.005	9	0.55/13.97	0.051/1.30
FAAIRD01-3R3M	3.3	0.005	9	0.55/13.97	0.051/1.30
FAAIRD01-3R9M	3.9	0.006	9	0.55/13.97	0.051/1.30
FAAIRD01-4R7M	4.7	0.007	9	0.55/13.97	0.051/1.30
FAAIRD01-5R6M	5.6	0.007	9	0.55/13.97	0.051/1.30
FAAIRD01-6R8M	6.8	0.008	9	0.55/13.97	0.051/1.30
FAAIRD01-8R2M	8.2	0.009	9	0.55/13.97	0.051/1.30
FAAIRD01-100K	10	0.010	9	0.55/13.97	0.051/1.30
FAAIRD01-120K	12	0.011	9	0.55/13.97	0.051/1.30
FAAIRD01-150K	15	0.015	7.2	0.53/13.46	0.043/1.10
FAAIRD01-180K	18	0.016	7.2	0.53/13.46	0.043/1.10
FAAIRD01-220K	22	0.020	5.5	0.53/13.46	0.043/1.10
FAAIRD01-270K	27	0.030	4.5	0.53/13.46	0.039/1.00
FAAIRD01-330K	33	0.040	4.0	0.53/13.46	0.039/1.00
FAAIRD01-390K	39	0.046	4.0	0.53/13.46	0.039/1.00
FAAIRD01-470K	47	0.062	2.8	0.53/13.46	0.035/0.90
FAAIRD01-560K	56	0.069	2.8	0.53/13.46	0.035/0.90
FAAIRD01-680K	68	0.077	2.8	0.50/12.70	0.032/0.80
FAAIRD01-820K	82	0.083	2.8	0.50/12.70	0.032/0.80
FAAIRD01-101K	100	0.095	2.8	0.50/12.70	0.032/0.80
FAAIRD01-121K	120	0.127	2.0	0.50/12.70	0.030/0.75
FAAIRD01-151K	150	0.181	1.6	0.50/12.70	0.030/0.75
FAAIRD01-181K	180	0.217	1.6	0.50/12.70	0.025/0.63
FAAIRD01-221K	220	0.240	1.6	0.50/12.70	0.025/0.63
FAAIRD01-271K	270	0.300	1.6	0.47/11.94	0.020/0.50
FAAIRD01-331K	330	0.336	1.3	0.47/11.94	0.020/0.50
FAAIRD01-391K	390	0.460	1.0	0.47/11.94	0.020/0.50
FAAIRD01-471K	470	0.636	0.8	0.47/11.94	0.020/0.50
FAAIRD01-561K	560	0.696	0.8	0.47/11.94	0.020/0.50

Note:1. K= \pm 10%,M= \pm 20%

PHYSICAL CHARACTERISTICS



DIMENSIONS: $\frac{\text{INCHES}}{\text{mm}}$

ELECTRONICAL SCHEMATIC



TECHNICAL INFORMATION

Inductance Testing: ,HP4284A,HP4285A or equivalent
RDC:QuadTech 1880 Milliohmometer
Q- HP4342A
SRF-HP4191A or HP4194A
Rated Current L value drop10%typ.at IDC against its initial value
Temperature rise 40 C Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave,Reflow
Operating Temperature:-25°C to +85°C
Storage Temperature: -55°C to +125°C
Terminal bending strength:24.5N Min
Moisture resistance: Δ L/L \leq 10% Δ Q/Q \leq 25%
Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES FAAIRD02 SERIES



FEATURES:

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

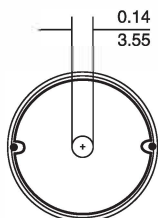
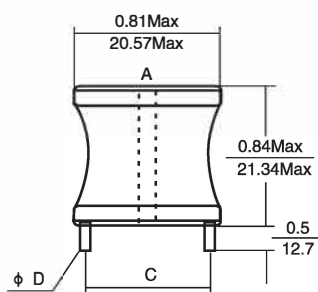
OPTIONS:

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
SCR and TRIAC Controls
Automotive Systems

PHYSICAL CHARACTERISTICS



DIMENSIONS: **INCHES**
mm

STANDARD SPECIFICATIONS

Part Number	L [μH] @1KHz	DCR [Ω Max]	IDC [A Max]	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
FAAIRD02-1R0M	1.0	0.003	11.4	0.63/16.00	0.071/1.80
FAAIRD02-1R2M	1.2	0.003	11.4	0.63/16.00	0.071/1.80
FAAIRD02-1R5M	1.5	0.003	11.4	0.63/16.00	0.071/1.80
FAAIRD02-1R8M	1.8	0.003	11.4	0.63/16.00	0.071/1.80
FAAIRD02-2R2M	2.2	0.004	11.4	0.63/16.00	0.071/1.80
FAAIRD02-2R7M	2.7	0.005	11.4	0.63/16.00	0.063/1.60
FAAIRD02-3R3M	3.3	0.005	11.4	0.63/16.00	0.063/1.60
FAAIRD02-3R9M	3.9	0.005	11.4	0.63/16.00	0.063/1.60
FAAIRD02-4R7M	4.7	0.005	11.4	0.63/16.00	0.063/1.60
FAAIRD02-5R6M	5.6	0.006	11.4	0.63/16.00	0.063/1.60
FAAIRD02-6R8M	6.8	0.007	11.4	0.63/16.00	0.063/1.60
FAAIRD02-8R2M	8.2	0.007	11.4	0.63/16.00	0.063/1.60
FAAIRD02-100K	10	0.009	11.4	0.63/16.00	0.063/1.60
FAAIRD02-120K	12	0.009	11.4	0.63/16.00	0.055/1.40
FAAIRD02-150K	15	0.013	9.0	0.63/16.00	0.055/1.40
FAAIRD02-180K	18	0.018	7.2	0.63/16.00	0.051/1.30
FAAIRD02-220K	22	0.019	7.2	0.63/16.00	0.051/1.30
FAAIRD02-270K	27	0.026	5.5	0.63/16.00	0.051/1.30
FAAIRD02-330K	33	0.029	5.5	0.60/15.24	0.043/1.10
FAAIRD02-390K	39	0.030	5.5	0.60/15.24	0.043/1.10
FAAIRD02-470K	47	0.035	5.5	0.62/15.74	0.043/1.10
FAAIRD02-560K	56	0.039	5.5	0.62/15.74	0.039/1.00
FAAIRD02-680K	68	0.053	4.8	0.62/15.74	0.039/1.00
FAAIRD02-820K	82	0.060	4.8	0.62/15.74	0.039/1.00
FAAIRD02-101K	100	0.080	4.0	0.62/15.74	0.035/0.90
FAAIRD02-121K	120	0.090	4.0	0.62/15.74	0.035/0.90
FAAIRD02-151K	150	0.098	4.0	0.62/15.74	0.032/0.80
FAAIRD02-181K	180	0.110	4.0	0.62/15.74	0.032/0.80
FAAIRD02-221K	220	0.150	2.8	0.62/15.74	0.032/0.80
FAAIRD02-271K	270	0.213	2.0	0.60/15.24	0.030/0.75
FAAIRD02-331K	330	0.305	1.6	0.60/15.24	0.030/0.75
FAAIRD02-391K	390	0.320	1.6	0.60/15.24	0.026/0.65
FAAIRD02-471K	470	0.355	1.6	0.60/15.24	0.026/0.65
FAAIRD02-561K	560	0.388	1.6	0.60/15.24	0.026/0.65
FAAIRD02-681K	680	0.430	1.6	0.60/15.24	0.026/0.65
FAAIRD02-821K	820	0.590	1.3	0.60/15.24	0.024/0.60
FAAIRD02-102K	1000	0.818	1.0	0.60/15.24	0.020/0.50
FAAIRD02-122K	1200	1.14	0.8	0.60/15.24	0.020/0.50
FAAIRD02-152K	1500	1.26	0.8	0.60/15.24	0.020/0.50
FAAIRD02-182K	1800	1.39	0.8	0.60/15.24	0.018/0.45
FAAIRD02-222K	2200	1.54	0.8	0.60/15.24	0.018/0.45

ELECTRONICAL SCHEMATIC



TECHNICAL INFORMATION

Inductance Testing: ,HP4284A,HP4285A or equivalent
RDC:QuadTech 1880 Milliohmeter
Q- HP4342A
SRF-HP4191A or HP4194A
Rated Current L value drop10% typ.at IDC against its initial value
Temperature rise 40°C Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave,Reflow
Operating Temperature:-25°C to +85°C
Storage Temperature: -55°C to +125°C
Terminal bending strength:24.5N Min
Moisture resistance:ΔL/L≤±10% ΔQ/Q≤±25%

Note: All specifications subject to change without notice.

Note:1. K=±10%,M=±20%

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES FAAIRD03 SERIES



FEATURES:

- High Saturation Material
- Polyo efn 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 tightertolerances available.

COMMON APPLICATIONS:

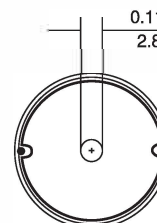
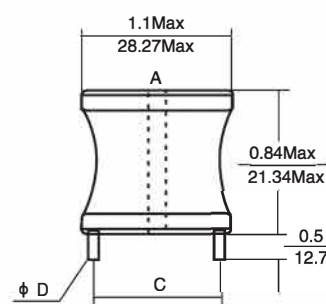
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC [A Max]	Dim(Inches/mm) C Approx.	Dim(Inches/mm) ØD Nom.
FAAIRD03-1R0M	1.0	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-1R2M	1.2	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-1R5M	1.5	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-1R8M	1.8	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-2R2M	2.2	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-2R7M	2.7	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-3R3M	3.3	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-3R9M	3.9	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-4R7M	4.7	0.003	21	0.80/20.32	0.079/2.00
FAAIRD03-5R6M	5.6	0.003	21	0.82/20.82	0.079/2.00
FAAIRD03-6R8M	6.8	0.004	21	0.82/20.82	0.079/2.00
FAAIRD03-8R2M	8.2	0.004	21	0.82/20.82	0.079/2.00
FAAIRD03-100K	10	0.006	17	0.82/20.82	0.079/2.00
FAAIRD03-120K	12	0.008	13.5	0.80/20.32	0.071/1.80
FAAIRD03-150K	15	0.009	13.5	0.80/20.32	0.071/1.80
FAAIRD03-180K	18	0.010	13.5	0.80/20.32	0.071/1.80
FAAIRD03-220K	22	0.011	13.5	0.79/20.06	0.063/1.60
FAAIRD03-270K	27	0.012	13.5	0.79/20.06	0.063/1.60
FAAIRD03-330K	33	0.017	13.5	0.79/20.06	0.063/1.60
FAAIRD03-390K	39	0.022	11.4	0.79/20.06	0.055/1.40
FAAIRD03-470K	47	0.024	9.0	0.79/20.06	0.055/1.40
FAAIRD03-560K	56	0.026	9.0	0.79/20.06	0.055/1.40
FAAIRD03-680K	68	0.029	9.0	0.79/20.06	0.055/1.40
FAAIRD03-820K	82	0.032	9.0	0.79/20.06	0.055/1.40
FAAIRD03-101K	100	0.034	9.0	0.79/20.06	0.055/1.40
FAAIRD03-121K	120	0.046	7.2	0.79/20.06	0.055/1.40
FAAIRD03-151K	150	0.064	5.5	0.77/19.56	0.043/1.10
FAAIRD03-181K	180	0.072	5.5	0.77/19.56	0.043/1.10
FAAIRD03-221K	220	0.080	5.5	0.77/19.56	0.039/1.00
FAAIRD03-271K	270	0.110	4.5	0.77/19.56	0.039/1.00
FAAIRD03-331K	330	0.122	4.5	0.77/19.56	0.039/1.00
FAAIRD03-391K	390	0.169	4.0	0.77/19.56	0.035/0.90
FAAIRD03-471K	470	0.187	4.0	0.77/19.56	0.035/0.90
FAAIRD03-561K	560	0.205	4.0	0.77/19.56	0.031/0.80
FAAIRD03-681K	680	0.256	2.8	0.77/19.56	0.031/0.80
FAAIRD03-821K	820	0.288	2.8	0.77/19.56	0.031/0.80
FAAIRD03-102K	1000	0.426	2.0	0.75/19.05	0.030/0.75
FAAIRD03-122K	1200	0.426	2.0	0.75/19.05	0.030/0.75
FAAIRD03-152K	1500	0.518	2.0	0.75/19.05	0.026/0.65
FAAIRD03-182K	1800	0.705	1.6	0.75/19.05	0.026/0.65
FAAIRD03-222K	2200	1.02	1.3	0.75/19.05	0.026/0.65
FAAIRD03-272K	2700	1.14	1.3	0.75/19.05	0.022/0.57
FAAIRD03-332K	3300	1.27	1.3	0.75/19.05	0.020/0.50
FAAIRD03-392K	3900	1.67	1.0	0.75/19.05	0.020/0.50
FAAIRD03-472K	4700	1.86	1.0	0.75/19.05	0.020/0.50

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES mm

ELECTRONICAL SCHEMATIC



TECHNICAL INFORMATION

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmer
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current L value drop10%typ.at DC against its initial value
- Temperature rise 40°C Max Reference ambient temperatur
- Solderability: 75% of the lead wire shall be covere
- Soldering Methods: Wave,Reflow
- Operating Temperature:- 25°C to +85°C
- Storage Temperature: -55°C to +125°C
- Terminal bending strength:24.5N Min
- Moisture resistance:ΔL/L≤±10% ΔQ/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES FAAIRD04 SERIES



FEATURES:

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

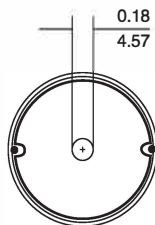
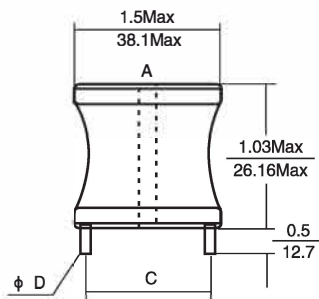
OPTIONS:

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
SCR and TRIAC Controls
Automotive Systems

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC



TECHNICAL INFORMATION

Inductance Testing: HP4284A, HP4285A or equivalent
RDC: QuadTech 1880 Milliohmmer
Q- HP4342A
SRF- HP4191A or HP4194A
Rated Current L value drop 10% typ. at IDC against its initial value
Temperature rise 40°C Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave, Reflow
Operating Temperature: -25°C to +85°C
Storage Temperature: -55°C to +125°C
Terminal bending strength: 24.5N Min
Moisture resistance: $\Delta L/L \leq \pm 10\%$ $\Delta Q/Q \leq \pm 25\%$

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L [μ H] @1KHz	DCR [Ω Max]	IDC [A Max]	Dim [Inches/mm] C Approx.	Dim [Inches/mm] D Nom.
FAAIRD04-1R8M	1.8	0.002	27	1.11/28.19	0.0791/2.00
FAAIRD04-2R2M	2.2	0.002	27	1.11/28.19	0.0791/2.00
FAAIRD04-2R7M	2.7	0.003	27	1.11/28.19	0.0791/2.00
FAAIRD04-3R3M	3.3	0.003	27	1.11/28.19	0.0791/2.00
FAAIRD04-3R9M	3.9	0.003	27	1.11/28.19	0.0791/2.00
FAAIRD04-4R7M	4.7	0.003	27	1.11/28.19	0.0791/2.00
FAAIRD04-5R6M	5.6	0.004	27	1.11/28.19	0.0791/2.00
FAAIRD04-6R8M	6.8	0.004	27	1.15/29.21	0.0791/2.00
FAAIRD04-8R2M	8.2	0.004	27	1.15/29.21	0.0791/2.00
FAAIRD04-100K	10	0.005	27	1.15/29.21	0.0791/2.00
FAAIRD04-120K	12	0.005	27	1.15/29.21	0.0791/2.00
FAAIRD04-150K	15	0.006	27	1.15/29.21	0.0791/2.00
FAAIRD04-180K	18	0.008	27	1.15/29.21	0.0791/2.00
FAAIRD04-220K	22	0.009	21	1.15/29.21	0.0791/2.00
FAAIRD04-270K	27	0.010	21	1.15/29.21	0.0791/2.00
FAAIRD04-330K	33	0.011	21	1.15/29.21	0.071/1.80
FAAIRD04-390K	39	0.012	21	1.15/29.21	0.071/1.80
FAAIRD04-470K	47	0.018	14.4	1.15/29.21	0.071/1.80
FAAIRD04-560K	56	0.019	14.4	1.15/29.21	0.063/1.60
FAAIRD04-680K	68	0.021	14.4	1.15/29.21	0.063/1.60
FAAIRD04-820K	82	0.023	14.4	1.15/29.21	0.063/1.60
FAAIRD04-101K	100	0.025	14.4	1.15/29.21	0.063/1.60
FAAIRD04-121K	120	0.028	14.4	1.15/29.21	0.055/1.40
FAAIRD04-151K	150	0.040	14.4	1.15/29.21	0.055/1.40
FAAIRD04-181K	180	0.045	14.4	1.15/29.21	0.055/1.40
FAAIRD04-221K	220	0.050	14.4	1.15/29.21	0.055/1.40
FAAIRD04-271K	270	0.056	14.4	1.15/29.21	0.055/1.40
FAAIRD04-331K	330	0.074	14.4	1.15/29.21	0.055/1.40
FAAIRD04-391K	390	0.082	9.0	1.15/29.21	0.043/1.10
FAAIRD04-471K	470	0.114	7.2	1.15/29.21	0.043/1.10
FAAIRD04-561K	560	0.125	7.2	1.15/29.21	0.039/1.00
FAAIRD04-681K	680	0.139	7.2	1.15/29.21	0.039/1.00
FAAIRD04-821K	820	0.154	7.2	1.15/29.21	0.039/1.00
FAAIRD04-102K	1000	0.216	5.5	1.15/29.21	0.039/1.00
FAAIRD04-122K	1200	0.232	5.5	1.14/28.95	0.035/0.90
FAAIRD04-152K	1500	0.324	4.5	1.14/28.95	0.035/0.90
FAAIRD04-182K	1800	0.360	4.5	1.14/28.95	0.035/0.90
FAAIRD04-222K	2200	0.494	4.0	1.10/27.94	0.031/0.80
FAAIRD04-272K	2700	0.555	4.0	1.12/28.44	0.031/0.80
FAAIRD04-332K	3300	0.773	2.8	1.10/27.94	0.030/0.75
FAAIRD04-392K	3900	0.845	2.8	1.10/27.94	0.030/0.75
FAAIRD04-472K	4700	1.14	2.0	1.12/28.44	0.030/0.75
FAAIRD04-562K	5600	1.60	2.0	1.09/27.68	0.026/0.65
FAAIRD04-682K	6800	1.76	1.6	1.12/28.44	0.026/0.65
FAAIRD04-822K	8200	1.95	1.6	1.09/27.68	0.022/0.57
FAAIRD04-103K	10000	2.76	1.3	1.11/28.19	0.022/0.57
FAAIRD04-123K	12000	3.04	1.3	1.08/27.43	0.020/0.50
FAAIRD04-153K	15000	3.39	1.3	1.10/27.94	0.020/0.50

Note: 1. K = $\pm 10\%$, M = $\pm 20\%$

RADIAL LEADED POWER LINE CHOKES FAAIRD05 SERIES



FEATURES:

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

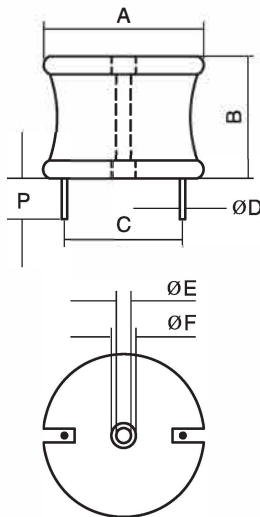
OPTIONS:

- 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 Triac Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P[mm]	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 range 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 Milliohm meter
 Rated Current: L value drop 10% typ. at IDC against its initial value
 Temperature rise 40°C Max Reference ambient temperature
 Solderability: 75% of the lead wire shall be covered
 Soldering Methods: Wave, Reflow
 Operating Temperature: -25°C to +85°C
 Storage Temperature: -55°C to +125°C
 Terminal bending strength: 24.5N Min
 Moisture resistance: $\Delta L/L \leq \pm 10\%$

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L [μ H] @1KHz	DCR [Ω Max]	IDC [A Max]	Dim C [Inches/mm] Approx.	Dim ØD [Inches/mm] Nom.
FAAIR005-1R8M	1.8	0.002	35.0	1.11/28.194	0.102/2.60
FAAIR005-2R2M	2.2	0.002	35.0	1.11/28.194	0.102/2.60
FAAIR005-2R7M	2.7	0.002	35.0	1.11/28.194	0.102/2.60
FAAIR005-3R3M	3.3	0.002	35.0	1.11/28.194	0.102/2.60
FAAIR005-3R9M	3.9	0.003	35.0	1.11/28.194	0.102/2.60
FAAIR005-4R7M	4.7	0.003	35.0	1.11/28.194	0.102/2.60
FAAIR005-5R6M	5.6	0.003	35.0	1.11/28.194	0.102/2.60
FAAIR005-6R8M	6.8	0.003	35.0	1.11/28.194	0.102/2.60
FAAIR005-8R2M	8.2	0.003	35.0	1.11/28.194	0.102/2.60
FAAIR005-100k	10.0	0.004	35.0	1.11/28.194	0.102/2.60
FAAIR005-120K	12.0	0.004	35.0	1.16/29.464	0.102/2.60
FAAIR005-150K	15.0	0.005	35.0	1.16/29.464	0.102/2.60
FAAIR005-180K	18.0	0.007	27.0	1.16/29.464	0.094/2.40
FAAIR005-220K	22.0	0.007	27.0	1.16/29.464	0.094/2.40
FAAIR005-270K	27.0	0.008	27.0	1.16/29.464	0.094/2.40
FAAIR005-330K	33.0	0.009	27.0	1.16/29.464	0.094/2.40
FAAIR005-390K	39.0	0.010	27.0	1.16/29.464	0.094/2.40
FAAIR005-470K	47.0	0.011	27.0	1.16/29.464	0.094/2.40
FAAIR005-560K	56.0	0.013	21.0	1.16/29.464	0.094/2.40
FAAIR005-680K	68.0	0.015	21.0	1.25/31.750	0.83/2.10
FAAIR005-820K	82.0	0.017	21.0	1.28/32.512	0.84/2.10
FAAIR005-101K	100.0	0.018	21.0	1.25/31.750	0.84/2.10
FAAIR005-121K	120.0	0.022	17.0	1.16/29.464	0.075/1.90
FAAIR005-151K	150.0	0.025	17.0	1.16/29.464	0.075/1.90
FAAIR005-181K	180.0	0.035	13.5	1.10/27.94	0.067/1.70
FAAIR005-221K	220.0	0.040	13.5	1.10/27.94	0.067/1.70
FAAIR005-271K	270.0	0.044	13.5	1.10/27.94	0.067/1.70
FAAIR005-331K	330.0	0.049	13.5	1.11/28.194	0.067/1.70
FAAIR005-390K	390.0	0.070	11.4	1.15/29.21	0.059/1.50
FAAIR005-471K	470.0	0.078	11.4	1.07/27.178	0.059/1.50
FAAIR005-561K	560.0	0.105	9.0	1.07/27.178	0.055/1.40
FAAIR005-681K	680.0	0.115	9.0	1.07/27.178	0.055/1.40
FAAIR005-820K	820.0	0.127	9.0	1.12/28.448	0.055/1.40
FAAIR005-102K	1000.0	0.176	7.2	1.12/28.448	0.047/1.20
FAAIR005-122K	1200.0	0.195	7.2	1.12/28.448	0.047/1.20
FAAIR005-152K	1500.0	0.274	5.5	1.12/28.448	0.043/1.10
FAAIR005-182K	1800.0	0.302	5.5	1.13/28.702	0.043/1.10
FAAIR005-222K	2200.0	0.338	5.5	1.16/29.464	0.043/1.10
FAAIR005-272K	2700.0	0.459	4.5	1.02/25.908	0.039/1.00
FAAIR005-332K	3300.0	0.642	4.0	1.02/25.908	0.035/0.90
FAAIR005-392K	3900.0	0.699	4.0	1.14/28.956	0.035/0.90
FAAIR005-472K	4700.0	0.775	4.0	1.14/28.956	0.035/0.90
FAAIR005-562K	5600.0	0.843	4.0	1.14/28.956	0.035/0.90
FAAIR005-682K	6800.0	1.15	2.8	1.06/26.924	0.031/0.80
FAAIR005-822K	8200.0	1.26	2.8	1.16/29.464	0.031/0.80
FAAIR005-103K	10000.0	1.74	2.0	1.13/28.702	0.028/0.70
FAAIR005-123K	12000.0	1.92	2.0	1.13/28.702	0.028/0.70
FAAIR005-153K	15000.0	2.17	2.0	1.13/28.702	0.028/0.70

Note: 1. K = $\pm 10\%$, M = $\pm 20\%$

RADIAL LEADED POWER LINE CHOKES FAAIRD06 SERIES



FEATURES:

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

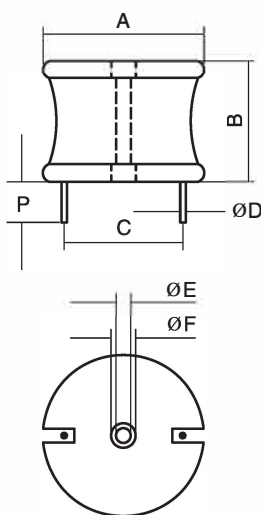
OPTIONS:

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 Triac Controls
Speaker Crossover Networks
Automotive Systems
Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P[mm]	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 range 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 Milliohmometer
Rated Current L value drop 10% typ at DC against its initial value
Temperature rise 40°C Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave, Reflow
Operating Temperature: -25°C to +85°C
Storage Temperature: -55°C to +125°C
Terminal bending strength: 24.5N Min
Moisture resistance: ΔL/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.
FAAIRD06-4R7M	4.7	0.002	35.0	1.40/35.56	0.102/2.60
FAAIRD06-5R6M	5.6	0.002	35.0	1.40/35.56	0.102/2.60
FAAIRD06-6R8M	6.8	0.003	35.0	1.40/35.56	0.102/2.60
FAAIRD06-8R2M	8.2	0.003	35.0	1.40/35.56	0.102/2.60
FAAIRD06-100K	10.0	0.003	35.0	1.48/37.592	0.102/2.60
FAAIRD06-120K	12.0	0.004	35.0	1.48/37.592	0.102/2.60
FAAIRD06-150K	15.0	0.004	35.0	1.48/37.592	0.102/2.60
FAAIRD06-180K	18.0	0.005	35.0	1.48/37.592	0.102/2.60
FAAIRD06-220K	22.0	0.006	35.0	1.48/37.592	0.102/2.60
FAAIRD06-270K	27.0	0.006	35.0	1.48/37.592	0.102/2.60
FAAIRD06-330K	33.0	0.006	35.0	1.48/37.592	0.102/2.60
FAAIRD06-390K	39.0	0.008	35.0	1.48/37.592	0.102/2.60
FAAIRD06-470K	47.0	0.008	35.0	1.48/37.592	0.102/2.60
FAAIRD06-560K	56.0	0.009	35.0	1.48/37.592	0.102/2.60
FAAIRD06-680K	68.0	0.009	35.0	1.48/37.592	0.102/2.60
FAAIRD06-820K	82.0	0.010	35.0	1.48/37.592	0.102/2.60
FAAIRD06-101K	100.0	0.014	27.0	1.53/38.862	0.094/2.40
FAAIRD06-121K	120.0	0.015	27.0	1.53/38.862	0.094/2.40
FAAIRD06-151K	150.0	0.023	21.0	1.49/37.846	0.083/2.10
FAAIRD06-181K	180.0	0.025	21.0	1.49/37.846	0.083/2.10
FAAIRD06-221K	220.0	0.028	21.0	1.49/37.846	0.083/2.10
FAAIRD06-271K	270.0	0.030	21.0	1.49/37.846	0.083/2.10
FAAIRD06-331K	330.0	0.040	17.0	1.31/33.274	0.075/1.90
FAAIRD06-390K	390.0	0.055	13.5	1.31/33.274	0.067/1.70
FAAIRD06-471K	470.0	0.061	13.5	1.31/33.274	0.067/1.70
FAAIRD06-561K	560.0	0.068	13.5	1.40/35.560	0.067/1.70
FAAIRD06-681K	680.0	0.094	11.4	1.42/36.068	0.059/1.50
FAAIRD06-820K	820.0	0.104	11.4	1.42/36.068	0.059/1.50
FAAIRD06-102K	1000.0	0.143	9.0	1.36/34.544	0.055/1.40
FAAIRD06-122K	1200.0	0.156	9.0	1.36/34.544	0.055/1.40
FAAIRD06-152K	1500.0	0.219	7.2	1.31/33.274	0.047/1.20
FAAIRD06-182K	1800.0	0.241	7.2	1.31/33.274	0.047/1.20
FAAIRD06-222K	2200.0	0.270	7.2	1.40/35.560	0.047/1.20
FAAIRD06-272K	2700.0	0.364	5.5	1.36/34.544	0.043/1.10
FAAIRD06-332K	3300.0	0.498	4.5	1.24/31.496	0.039/1.00
FAAIRD06-392K	3900.0	0.548	4.5	1.32/33.528	0.039/1.00
FAAIRD06-472K	4700.0	0.608	4.5	1.32/33.528	0.039/1.00
FAAIRD06-562K	5600.0	0.671	4.5	1.36/34.544	0.039/1.00
FAAIRD06-682K	6800.0	0.750	4.5	1.40/35.560	0.039/1.00
FAAIRD06-822K	8200.0	1.030	4.0	1.45/36.830	0.035/0.90
FAAIRD06-103K	10000.0	1.160	4.0	1.45/36.830	0.035/0.90
FAAIRD06-123K	12000.0	1.540	2.8	1.40/35.560	0.031/0.80
FAAIRD06-153K	15000.0	1.750	2.8	1.40/35.560	0.028/0.70
FAAIRD06-183K	18000.0	1.940	2.8	1.45/36.830	0.028/0.70
FAAIRD06-223K	22000.0	2.740	2.0	1.37/34.798	0.028/0.70
FAAIRD06-273K	27000.0	3.710	1.7	1.37/34.798	0.025/0.63
FAAIRD06-333K	33000.0	4.160	1.7	1.37/34.798	0.025/0.63
FAAIRD06-393K	39000.0	5.560	1.4	1.35/34.290	0.025/0.63
FAAIRD06-473K	47000.0	6.190	1.4	1.35/34.290	0.022/0.55

Note: 1. K = ±10%, M = ±20%

RADIAL LEADED POWER LINE CHOKES FAAIRD07 SERIES



FEATURES:

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

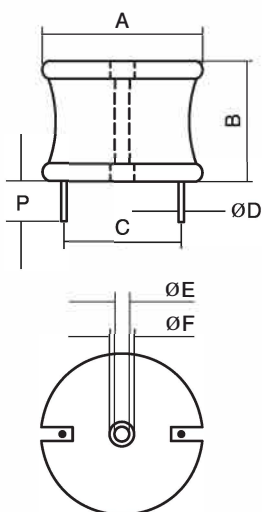
OPTIONS:

- 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 Triac Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P[mm]	ØE	ØF
2.40/60.96	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 range 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
 ROC: QuadTech 1880 Milliohm meter
 Rated Current L value drop 10% typ. at IDC against its initial value
 Temperature rise 40°C Max Reference ambient temperature
 Solderability: 75% of the lead wire shall be covered
 Soldering Methods: Wave, Reflow
 Operating Temperature: -25°C to +85°C
 Storage Temperature: -55°C to +125°C
 Terminal bending strength: 24.5N Min
 Moisture resistance: ΔL/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.
FAAIRD07-5R6M	5.6	0.0018	45.0	1.60/40.64	0.118/3.00
FAAIRD07-6R8M	6.8	0.0021	45.0	1.60/40.64	0.118/3.00
FAAIRD07-8R2M	8.2	0.0022	45.0	1.60/40.64	0.118/3.00
FAAIRD07-100k	10.0	0.0024	45.0	1.60/40.64	0.118/3.00
FAAIRD07-120K	12.0	0.0025	45.0	1.60/40.64	0.118/3.00
FAAIRD07-150K	15.0	0.0028	42.0	1.70/43.18	0.118/3.00
FAAIRD07-180K	18.0	0.0032	40.0	1.70/43.18	0.118/3.00
FAAIRD07-220K	22.0	0.0036	38.0	1.70/43.18	0.118/3.00
FAAIRD07-270K	27.0	0.0042	38.0	1.70/43.18	0.118/3.00
FAAIRD07-330K	33.0	0.0045	37.0	1.70/43.18	0.118/3.00
FAAIRD07-390K	39.0	0.0048	36.0	1.80/45.72	0.118/3.00
FAAIRD07-470K	47.0	0.0057	35.0	1.80/45.72	0.118/3.00
FAAIRD07-560K	56.0	0.0069	35.0	1.80/45.72	0.118/3.00
FAAIRD07-680K	68.0	0.0078	35.0	1.80/45.72	0.118/3.00
FAAIRD07-820K	82.0	0.0093	35.0	1.80/45.72	0.118/3.00
FAAIRD07-101K	100.0	0.0103	27.0	1.80/45.72	0.118/3.00
FAAIRD07-121K	120.0	0.0108	27.0	1.80/45.72	0.118/3.00
FAAIRD07-151K	150.0	0.0120	25.0	1.80/45.72	0.118/3.00
FAAIRD07-181K	180.0	0.0156	22.0	1.80/45.72	0.118/3.00
FAAIRD07-221K	220.0	0.0168	22.0	1.80/45.72	0.102/2.60
FAAIRD07-271K	270.0	0.0228	21.0	1.80/45.72	0.102/2.60
FAAIRD07-331K	330.0	0.0300	17.0	1.80/45.72	0.094/2.40
FAAIRD07-390K	390.0	0.0432	13.5	1.70/43.18	0.083/2.10
FAAIRD07-471K	470.0	0.0456	13.5	1.70/43.18	0.075/1.90
FAAIRD07-561K	560.0	0.0480	13.5	1.75/44.45	0.075/1.90
FAAIRD07-681K	680.0	0.0516	12.0	1.80/45.72	0.075/1.90
FAAIRD07-820K	820.0	0.0648	11.5	1.80/45.72	0.075/1.90
FAAIRD07-102K	1000.0	0.0936	10.0	1.75/44.45	0.067/1.70
FAAIRD07-122K	1200.0	0.1020	9.50	1.78/45.212	0.067/1.70
FAAIRD07-152K	1500.0	0.1176	8.00	1.80/45.72	0.067/1.70
FAAIRD07-182K	1800.0	0.1536	7.50	1.70/43.18	0.059/1.50
FAAIRD07-222K	2200.0	0.2160	7.20	1.70/43.18	0.055/1.40
FAAIRD07-272K	2700.0	0.2424	6.00	1.75/44.45	0.055/1.40
FAAIRD07-332K	3300.0	0.2640	5.50	1.80/45.72	0.055/1.40
FAAIRD07-392K	3900.0	0.3480	5.20	1.75/44.75	0.047/1.20
FAAIRD07-472K	4700.0	0.3924	5.00	1.78/45.212	0.047/1.20
FAAIRD07-562K	5600.0	0.4320	4.70	1.80/45.72	0.047/1.20
FAAIRD07-682K	6800.0	0.5940	4.50	1.70/43.18	0.043/1.10
FAAIRD07-822K	8200.0	0.6600	4.00	1.75/44.45	0.043/1.10
FAAIRD07-103K	10000.0	0.7560	4.00	1.80/45.72	0.043/1.10
FAAIRD07-123K	12000.0	0.9840	3.50	1.80/45.72	0.039/1.00
FAAIRD07-153K	15000.0	1.4160	2.80	1.75/44.45	0.035/0.90
FAAIRD07-183K	18000.0	1.5240	2.80	1.78/45.212	0.035/0.90
FAAIRD07-223K	22000.0	1.8000	2.30	1.80/45.72	0.035/0.90
FAAIRD07-273K	27000.0	2.3760	2.00	1.75/44.45	0.031/0.80
FAAIRD07-333K	33000.0	2.6400	1.90	1.80/45.72	0.031/0.80
FAAIRD07-393K	39000.0	3.5760	1.60	1.75/44.45	0.028/0.70
FAAIRD07-473K	47000.0	3.9360	1.60	1.78/45.212	0.028/0.70
FAAIRD07-563K	56000.0	4.3200	1.50	1.80/45.72	0.028/0.70
FAAIRD07-683K	68000.0	5.2200	1.30	1.85/46.99	0.028/0.70

Note: 1. K=±10%, M=±20%

RADIAL LEADED POWER LINE CHOKES FAAIRD08 SERIES



FEATURES:

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

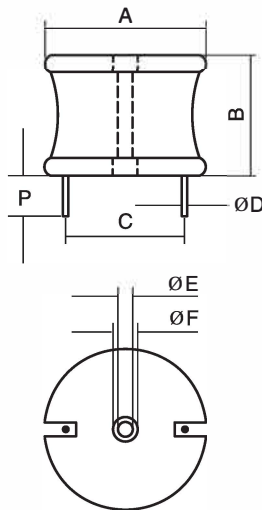
OPTIONS:

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 Triac Controls
Speaker Crossover Networks
Automotive Systems
Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P[mm]	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 range 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 1860 Milliohmmeter
Rated Current: L value drop 10% typ. at IDC against its initial value
Temperature rise 40°C Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave, Reflow
Operating Temperature: -25°C to +85°C
Storage Temperature: -55°C to +125°C
Terminal bending strength: 24.5N Min
Moisture resistance: $\Delta L/L \leq \pm 10\%$

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.
FAAIRD08-5R6M	5.6	0.0012	55.0	*	0.224/5.70
FAAIRD08-6R8M	6.8	0.0013	55.0	*	0.224/5.70
FAAIRD08-8R2M	8.2	0.0015	55.0	*	0.224/5.70
FAAIRD08-100K	10.0	0.0017	55.0	*	0.224/5.70
FAAIRD08-120K	12.0	0.0020	55.0	*	0.224/5.70
FAAIRD08-150K	15.0	0.0021	55.0	*	0.224/5.70
FAAIRD08-180K	18.0	0.0023	55.0	*	0.224/5.70
FAAIRD08-220K	22.0	0.0025	55.0	*	0.224/5.70
FAAIRD08-270K	27.0	0.0026	55.0	*	0.224/5.70
FAAIRD08-330K	33.0	0.0029	55.0	*	0.224/5.70
FAAIRD08-390K	39.0	0.0033	55.0	*	0.224/5.70
FAAIRD08-470K	47.0	0.0035	55.0	*	0.224/5.70
FAAIRD08-560K	56.0	0.0039	55.0	*	0.224/5.70
FAAIRD08-680K	68.0	0.0043	50.0	*	0.224/5.70
FAAIRD08-820K	82.0	0.0048	45.0	*	0.209/5.30
FAAIRD08-101K	100.0	0.0052	40.0	*	0.209/5.30
FAAIRD08-121K	120.0	0.0071	39.0	*	0.209/5.30
FAAIRD08-151K	150.0	0.0079	38.0	*	0.209/5.30
FAAIRD08-181K	180.0	0.0087	37.0	*	0.209/5.30
FAAIRD08-221K	220.0	0.0120	33.0	*	0.189/4.80
FAAIRD08-271K	270.0	0.0140	30.0	*	0.189/4.80
FAAIRD08-331K	330.0	0.0180	27.0	1.80/45.72	0.118/3.00
FAAIRD08-390K	390.0	0.0200	25.0	1.70/43.18	0.118/3.00
FAAIRD08-471K	470.0	0.0280	21.0	1.70/43.18	0.102/2.15
FAAIRD08-561K	560.0	0.0310	20.0	1.45/44.45	0.102/2.15
FAAIRD08-681K	680.0	0.034	19.0	1.80/45.72	0.102/2.15
FAAIRD08-820K	820.0	0.047	16.0	1.80/45.72	0.094/2.40
FAAIRD08-102K	1000.0	0.052	15.5	1.75/44.45	0.094/2.40
FAAIRD08-122K	1200.0	0.057	15	1.78/45.212	0.094/2.40
FAAIRD08-152K	1500.0	0.080	13.0	1.80/45.72	0.079/2.00
FAAIRD08-182K	1800.0	0.088	12.0	1.70/43.18	0.079/2.00
FAAIRD08-222K	2200.0	0.122	10.0	1.70/43.18	0.075/1.90
FAAIRD08-272K	2700.0	0.135	10.0	1.75/44.45	0.075/1.90
FAAIRD08-332K	3300.0	0.188	8.0	1.80/45.72	0.067/1.70
FAAIRD08-392K	3900.0	0.205	8.0	1.75/44.45	0.067/1.70
FAAIRD08-472K	4700.0	0.283	6.7	1.78/45.212	0.059/1.50
FAAIRD08-562K	5600.0	0.309	6.4	1.80/45.72	0.059/1.50
FAAIRD08-682K	6800.0	0.431	5.4	1.70/43.18	0.055/1.40
FAAIRD08-822K	8200.0	0.472	5.2	1.75/44.45	0.055/1.40
FAAIRD08-103K	10000.0	0.521	5.0	1.80/45.72	0.055/1.40
FAAIRD08-123K	12000.0	0.717	4.2	1.80/45.72	0.047/1.20
FAAIRD08-153K	15000.0	0.803	4.0	1.75/44.45	0.047/1.20
FAAIRD08-183K	18000.0	1.111	3.4	1.78/45.212	0.043/1.10
FAAIRD08-223K	22000.0	1.228	3.2	1.80/45.72	0.043/1.10
FAAIRD08-273K	27000.0	1.716	2.7	1.75/44.45	0.039/1.00
FAAIRD08-333K	33000.0	1.896	2.6	1.80/45.72	0.039/1.00
FAAIRD08-393K	39000.0	2.590	2.3	1.75/44.45	0.035/0.90
FAAIRD08-473K	47000.0	2.840	2.2	1.78/45.212	0.035/0.90
FAAIRD08-563K	56000.0	3.104	2.1	1.80/45.72	0.035/0.90
FAAIRD08-683K	68000.0	4.331	1.7	1.85/46.99	0.031/0.80
FAAIRD08-823K	82000.0	4.756	1.6	1.90/48.26	0.031/0.80
FAAIRD08-104K	100000.0	6.652	1.4	1.95/49.53	0.028/0.70

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

RADIAL LEADED POWER LINE CHOKES FAAIRD04A SERIES



FEATURES:

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

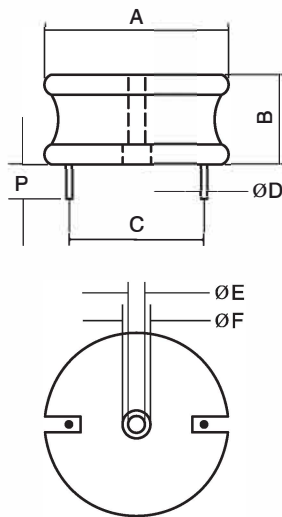
OPTIONS:

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 Triac Controls
Speaker Crossover Networks
Automotive Systems
Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P[mm]	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 range 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 drop 10% typ. at DC against its initial value
Temperature rise 40°C Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave, Reflow
Operating Temperature: -25°C to +85°C
Storage Temperature: -55°C to +125°C
Terminal bending strength: 24.5N Min
Moisture resistance: ΔL/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.
FAAIRD04A-2R2M	2.2	0.0028	28.2	1.10/27.94	0.094/2.3876
FAAIRD04A-3R9M	3.9	0.0037	27.2	1.10/27.94	0.094/2.3876
FAAIRD04A-4R7M	4.7	0.0040	25.7	1.10/27.94	0.094/2.3876
FAAIRD04A-6R8M	6.8	0.0048	23.7	1.10/27.94	0.094/2.3876
FAAIRD04A-8R2M	8.2	0.0055	22.0	1.16/29.46	0.094/2.3876
FAAIRD04A-120K	12.0	0.0067	20.7	1.16/29.46	0.084/2.1336
FAAIRD04A-150K	15.0	0.0070	20.5	1.16/29.46	0.084/2.1336
FAAIRD04A-180K	18.0	0.0094	20.5	1.16/29.46	0.084/2.1336
FAAIRD04A-220K	22.0	0.0103	20.4	1.18/29.97	0.084/2.1336
FAAIRD04A-270K	27.0	0.0121	18.9	1.18/29.97	0.084/2.1336
FAAIRD04A-330K	33.0	0.0163	14.0	1.17/29.72	0.068/1.7272
FAAIRD04A-390K	39.0	0.0173	13.6	1.17/29.72	0.068/1.7272
FAAIRD04A-470K	47.0	0.0196	12.8	1.17/29.72	0.068/1.7272
FAAIRD04A-560K	56.0	0.0208	12.4	1.18/29.97	0.068/1.7272
FAAIRD04A-680K	68.0	0.0292	10.7	1.17/29.72	0.060/1.5240
FAAIRD04A-820K	82.0	0.0319	10.2	1.18/29.97	0.060/1.5240
FAAIRD04A-101K	100.0	0.0348	9.8	1.18/29.97	0.060/1.5240
FAAIRD04A-121K	120.0	0.0480	8.3	1.18/29.97	0.048/1.2192
FAAIRD04A-151K	150	0.0530	7.90	1.18/29.97	0.048/1.219
FAAIRD04A-181K	180	0.0743	6.40	1.18/29.97	0.048/1.219
FAAIRD04A-221K	220	0.0833	6.00	1.19/30.23	0.043/1.092
FAAIRD04A-271K	270	0.0940	5.70	1.19/30.23	0.043/1.092
FAAIRD04A-331K	330	0.1270	4.80	1.12/28.48	0.039/0.991
FAAIRD04A-391K	390	0.1380	4.60	1.12/28.48	0.039/0.991
FAAIRD04A-471K	470	0.1840	4.10	1.12/28.48	0.039/0.991
FAAIRD04A-561K	560	0.2030	3.90	1.12/28.48	0.033/0.838
FAAIRD04A-681K	680	0.2790	3.20	1.12/28.48	0.033/0.838
FAAIRD04A-821K	820	0.3140	3.10	1.12/28.48	0.033/0.838
FAAIRD04A-102K	1000	0.3480	2.90	1.14/28.96	0.031/0.787
FAAIRD04A-122K	1200	0.4940	2.40	1.15/29.21	0.031/0.787
FAAIRD04A-152K	1500	0.5480	2.30	1.14/28.96	0.031/0.787
FAAIRD04A-182K	1800	0.7320	1.95	1.14/28.96	0.028/0.711
FAAIRD04A-222K	2200	0.8090	1.80	1.12/28.45	0.028/0.711
FAAIRD04A-272K	2700	1.1200	1.53	1.13/28.70	0.025/0.635
FAAIRD04A-332K	3300	1.8200	1.46	1.13/28.70	0.025/0.635
FAAIRD04A-392K	3900	1.3800	1.40	1.13/28.70	0.025/0.635

Note: 1. K=±10%, M=±20%

RADIAL LEADED POWER LINE CHOKES FAAIRD06A SERIES



FEATURES:

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

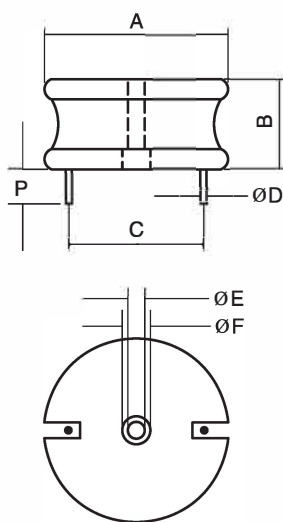
OPTIONS:

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 Triac Controls
Speaker Crossover Networks
Automotive Systems
Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P[mm]	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 range 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: Quad Tech 1880 Milliohm meter
Rated Current: L value drop 10% typ. at IDC against its initial value
Temperature rise 40°C Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave, Reflow
Operating Temperature: -25°C to +85°C
Storage Temperature: -55°C to +125°C
Terminal bending strength: 24.5N Min
Moisture resistance: ΔL/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.
FAAIRD06A-2R2M	2.2	0.0021	34.7	1.21/30.73	0.105/2.667
FAAIRD06A-3R3M	3.3	0.0026	33.7	1.29/32.77	0.105/2.667
FAAIRD06A-5R6M	5.6	0.0036	31.0	1.29/32.77	0.105/2.667
FAAIRD06A-8R2M	8.2	0.0041	30.4	1.29/32.77	0.105/2.667
FAAIRD06A-120K	12.0	0.0047	29.6	1.37/34.80	0.105/2.667
FAAIRD06A-150K	15.0	0.0055	27.6	1.39/35.31	0.094/2.388
FAAIRD06A-180K	18.0	0.0062	25.9	1.37/34.80	0.094/2.388
FAAIRD06A-220K	22.0	0.0068	24.5	1.37/34.80	0.094/2.388
FAAIRD06A-270K	27.0	0.0077	23.3	1.37/34.80	0.094/2.388
FAAIRD06A-330K	33.0	0.0084	22.3	1.37/34.80	0.094/2.388
FAAIRD06A-390K	39.0	0.0112	18.4	1.17/29.72	0.084/2.134
FAAIRD06A-470K	47.0	0.0132	18.0	1.17/29.72	0.084/2.134
FAAIRD06A-560K	56.0	0.0142	17.5	1.44/36.58	0.075/1.915
FAAIRD06A-680K	68.0	0.0180	15.6	1.44/36.58	0.075/1.915
FAAIRD06A-820K	82.0	0.0202	14.8	1.43/36.32	0.075/1.915
FAAIRD06A-101K	100.0	0.0223	14.0	1.43/36.32	0.075/1.915
FAAIRD06A-121K	120.0	0.0324	11.7	1.44/36.58	0.060/1.524
FAAIRD06A-151K	150.0	0.0368	11.0	1.44/36.58	0.060/1.524
FAAIRD06A-181K	180.0	0.0468	9.5	1.44/36.58	0.054/1.372
FAAIRD06A-221K	220.0	0.0520	9.0	1.44/36.58	0.054/1.372
FAAIRD06A-271K	270	0.0587	8.50	1.46/37.08	0.054/1.372
FAAIRD06A-331K	330	0.0780	7.80	1.46/37.08	0.054/1.372
FAAIRD06A-391K	390	0.0844	7.50	1.45/36.83	0.048/1.219
FAAIRD06A-471K	470	0.1200	6.50	1.43/36.32	0.048/1.219
FAAIRD06A-561K	560	0.1310	6.20	1.44/36.58	0.048/1.219
FAAIRD06A-681K	680	0.1420	6.00	1.46/37.08	0.048/1.219
FAAIRD06A-821K	820	0.1870	4.90	1.45/36.83	0.043/1.092
FAAIRD06A-102K	1000	0.2060	4.70	1.45/36.83	0.043/1.092
FAAIRD06A-122K	1200	0.3010	3.85	1.45/36.83	0.035/0.889
FAAIRD06A-152K	1500	0.3530	3.74	1.46/37.08	0.035/0.889
FAAIRD06A-182K	1800	0.3830	3.43	1.46/37.08	0.035/0.889
FAAIRD06A-222K	2200	0.5480	2.90	1.45/36.83	0.031/0.787
FAAIRD06A-272K	2700	0.7930	2.28	1.46/37.08	0.031/0.787
FAAIRD06A-332K	3300	0.8740	2.15	1.45/36.83	0.031/0.787
FAAIRD06A-392K	3900	0.9480	2.08	1.46/37.08	0.031/0.787
FAAIRD06A-472K	4700	1.2400	2.00	1.46/37.08	0.028/0.711
FAAIRD06A-562K	5600	1.4000	1.88	1.46/37.08	0.028/0.711
FAAIRD06A-682K	6800	1.8400	1.80	1.46/37.08	0.028/0.711
FAAIRD06A-822K	8200	2.3800	1.50	1.47/37.34	0.028/0.711
FAAIRD06A-103K	10000	2.7500	1.40	1.47/37.34	0.028/0.711

Note: 1. K = ±10%, M = ±20%

RADIAL LEADED POWER LINE CHOKES FAAIRD07A SERIES



FEATURES:

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

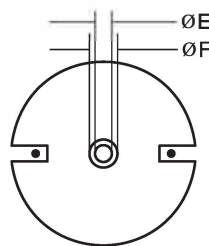
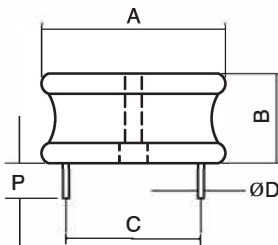
OPTIONS:

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 Triac 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 range 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 Milliohm meter
Rated Current: L value drop 10% typ. at IDC against its initial value
Temperature rise 40°C Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave, Reflow
Operating Temperature: -25°C to +85°C
Storage Temperature: -55°C to +125°C
Terminal bending strength: 24.5N Min
Moisture resistance: ΔL/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.
FAAIR007A-1R0M	1.0	0.0018	44.0	1.52/38.61	0.120/3.048
FAAIR007A-2R2M	2.2	0.0024	40.0	1.52/38.61	0.120/3.048
FAAIR007A-4R7M	4.7	0.0030	36.0	1.60/40.64	0.109/2.769
FAAIR007A-8R2M	8.2	0.0042	32.0	1.29/32.77	0.109/2.769
FAAIR007A-120K	12.0	0.0053	30.0	1.64/41.66	0.109/2.769
FAAIR007A-150K	15.0	0.0060	28.0	1.69/42.93	0.094/2.388
FAAIR007A-180K	18.0	0.0067	27.0	1.77/44.96	0.094/2.388
FAAIR007A-220K	22.0	0.0076	26.0	1.77/44.96	0.094/2.388
FAAIR007A-270K	27.0	0.0085	24.0	1.77/44.96	0.094/2.388
FAAIR007A-330K	33.0	0.0094	23.0	1.86/47.24	0.094/2.388
FAAIR007A-390K	39.0	0.0130	20.0	1.86/47.24	0.084/2.134
FAAIR007A-470K	47.0	0.0150	19.0	1.78/45.21	0.084/2.134
FAAIR007A-560K	56.0	0.0160	18.0	1.88/47.75	0.084/2.134
FAAIR007A-680K	68.0	0.0210	16.0	1.88/47.75	0.084/2.134
FAAIR007A-820K	82.0	0.0240	14.0	1.82/46.23	0.084/2.134
FAAIR007A-101K	100.0	0.0310	13.0	1.77/44.96	0.068/1.727
FAAIR007A-121K	120.0	0.0350	12.0	1.87/47.50	0.068/1.727
FAAIR007A-151K	150.0	0.0450	11.0	1.77/44.96	0.068/1.727
FAAIR007A-181K	180.0	0.0550	9.5	1.83/46.48	0.054/1.372
FAAIR007A-221K	220	0.076	8.0	1.75/44.45	0.054/1.372
FAAIR007A-271K	270	0.084	8.0	1.80/45.72	0.054/1.372
FAAIR007A-331K	330	0.093	7.5	1.80/45.72	0.048/1.219
FAAIR007A-391K	390	0.127	6.5	1.80/45.72	0.048/1.219
FAAIR007A-471K	470	0.138	6.0	1.80/45.72	0.048/1.219
FAAIR007A-561K	560	0.192	5.0	1.80/45.75	0.043/1.092
FAAIR007A-681K	680	0.210	5.0	1.76/44.70	0.043/1.092
FAAIR007A-821K	820	0.287	4.0	1.69/42.93	0.039/0.991
FAAIR007A-102K	1000	0.320	4.0	1.72/43.69	0.039/0.991
FAAIR007A-122K	1200	0.349	3.8	1.76/44.70	0.039/0.991
FAAIR007A-152K	1500	0.492	3.2	1.72/43.69	0.039/0.991
FAAIR007A-182K	1800	0.544	3.0	1.75/44.45	0.031/0.787
FAAIR007A-222K	2200	0.691	2.3	1.71/43.42	0.031/0.787
FAAIR007A-272K	2700	0.764	2.2	1.77/44.96	0.031/0.787
FAAIR007A-332K	3300	1.027	1.98	1.71/43.43	0.028/0.711
FAAIR007A-392K	3900	1.113	1.90	1.70/43.18	0.028/0.711
FAAIR007A-472K	4700	1.565	1.65	1.72/43.69	0.025/0.635
FAAIR007A-562K	5600	1.700	1.58	1.72/43.69	0.025/0.635
FAAIR007A-682K	6800	1.854	1.50	1.46/37.08	0.025/0.635

Note: 1. K=±10%, M=±20%