

RADIAL LEADED POWER LINE CHOKES FAAIRD06 SERIES



FEATURES:

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

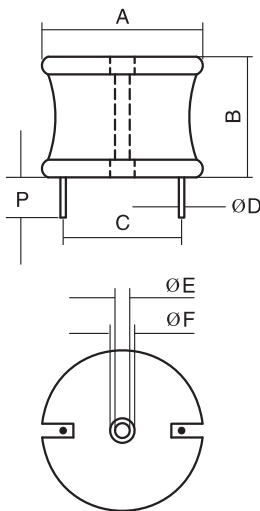
OPTIONS:

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 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: $\Delta L/L \leq \pm 10\%$

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.
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%