

RADIAL LEADED POWER LINE CHOKES

YCAIRD 06 SERIES



FEATURES:

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

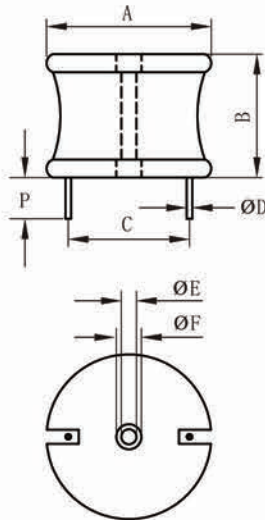
OPTIONS:

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

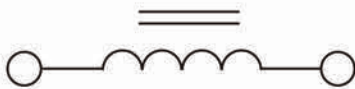
PHYSICAL CHARACTERISTICS



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, 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 FAAIRD04A-821K high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in FAAIRD04A-102K a small physical size are needed.

- Inductance Testing: HP4284A, HP4285A or equivalent
- RDC: QuadTech 1880 Milliohmeter FAAIRD04A-122K
- Rated Current L value drop 10% typ. at IDC against its initial value
- Temperature rise 40°C Max Reference ambient temperature FAAIRD04A-152K
- 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.
YCAIRD06-4R7M	4.7	0.002	35.0	1.40/35.56	0.105/2.667
YCAIRD06-5R8M	5.6	0.002	35.0	1.40/35.56	0.105/2.667
YCAIRD06-6R8M	6.8	0.003	35.0	1.40/35.56	0.105/2.667
YCAIRD06-8R2M	8.2	0.003	35.0	1.40/35.56	0.105/2.667
YCAIRD06-100K	10.0	0.003	35.0	1.48/37.592	0.105/2.667
YCAIRD06-120K	12.0	0.004	35.0	1.48/37.592	0.105/2.667
YCAIRD06-150K	15.0	0.004	35.0	1.48/37.592	0.105/2.667
YCAIRD06-180K	18.0	0.005	35.0	1.48/37.592	0.105/2.667
YCAIRD06-220K	22.0	0.006	35.0	1.48/37.592	0.105/2.667
YCAIRD06-270K	27.0	0.006	35.0	1.48/37.592	0.105/2.667
YCAIRD06-330K	33.0	0.006	35.0	1.48/37.592	0.105/2.667
YCAIRD06-390K	39.0	0.008	35.0	1.48/37.592	0.105/2.667
YCAIRD06-470K	47.0	0.008	35.0	1.48/37.592	0.105/2.667
YCAIRD06-560K	56.0	0.009	35.0	1.48/37.592	0.105/2.667
YCAIRD06-680K	68.0	0.009	35.0	1.48/37.592	0.105/2.667
YCAIRD06-820K	82.0	0.010	35.0	1.48/37.592	0.105/2.667
YCAIRD06-101K	100.0	0.014	27.0	1.53/38.862	0.094/2.3876
YCAIRD06-121K	120.0	0.015	27.0	1.53/38.862	0.094/2.3876
YCAIRD06-151K	150.0	0.023	21.0	1.49/37.846	0.084/2.1336
YCAIRD06-181K	180.0	0.025	21.0	1.49/37.846	0.084/2.1336
YCAIRD06-221K	220.0	0.028	21.0	1.49/37.846	0.084/2.1336
YCAIRD06-271K	270.0	0.030	21.0	1.49/37.846	0.084/2.1336
YCAIRD06-331K	330.0	0.040	17.0	1.31/33.274	0.075/1.905
YCAIRD06-390K	390.0	0.055	13.5	1.31/33.274	0.068/1.7272
YCAIRD06-471K	470.0	0.061	13.5	1.31/33.274	0.068/1.7272
YCAIRD06-561K	560.0	0.068	13.5	1.40/35.560	0.068/1.7272
YCAIRD06-681K	680.0	0.094	11.4	1.42/36.068	0.060/1.524
YCAIRD06-820K	820.0	0.104	11.4	1.42/36.068	0.060/1.524
YCAIRD06-102K	1000.0	0.143	9.0	1.36/34.544	0.054/1.3716
YCAIRD06-122K	1200.0	0.156	9.0	1.36/34.544	0.054/1.3716
YCAIRD06-152K	1500.0	0.219	7.2	1.31/33.274	0.048/1.2192
YCAIRD06-182K	1800.0	0.241	7.2	1.31/33.274	0.048/1.2192
YCAIRD06-222K	2200.0	0.270	7.2	1.40/35.560	0.048/1.2192
YCAIRD06-272K	2700.0	0.364	5.5	1.36/34.544	0.043/1.0922
YCAIRD06-332K	3300.0	0.498	4.5	1.24/31.496	0.039/0.9906
YCAIRD06-392K	3900.0	0.548	4.5	1.32/33.528	0.039/0.9906
YCAIRD06-472K	4700.0	0.608	4.5	1.32/33.528	0.039/0.9906
YCAIRD06-562K	5600.0	0.671	4.5	1.36/34.544	0.039/0.9906
YCAIRD06-682K	6800.0	0.750	4.5	1.40/35.560	0.039/0.9906
YCAIRD06-822K	8200.0	1.030	4.0	1.45/36.830	0.035/0.8890
YCAIRD06-103K	10000.0	1.160	4.0	1.45/36.830	0.035/0.8890
YCAIRD06-123K	12000.0	1.540	2.8	1.40/35.560	0.031/0.7874
YCAIRD06-153K	15000.0	1.750	2.8	1.40/35.560	0.031/0.7874
YCAIRD06-183K	18000.0	1.940	2.8	1.45/36.830	0.028/0.7112
YCAIRD06-223K	22000.0	2.740	2.0	1.37/34.798	0.028/0.7112
YCAIRD06-273K	27000.0	3.710	1.7	1.37/34.798	0.025/0.6350
YCAIRD06-333K	33000.0	4.160	1.7	1.37/34.798	0.025/0.6350
YCAIRD06-393K	39000.0	5.560	1.4	1.35/34.290	0.025/0.6350
YCAIRD06-473K	47000.0	6.190	1.4	1.35/34.290	0.022/0.5588

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