

RADIAL LEADED POWER LINE CHOKES

YCAIRD 06A SERIES



FEATURES:

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

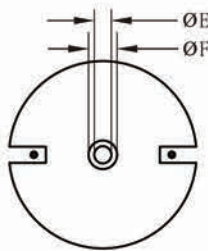
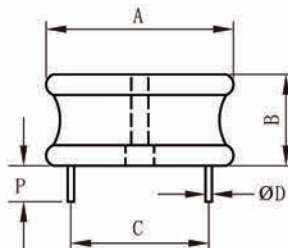
OPTIONS:

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

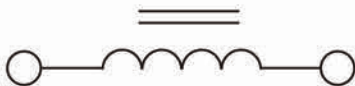
PHYSICAL CHARACTERISTICS



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 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 I 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.
YCAIRD06A-2R2M	2.2	0.0021	34.7	1.21/30.73	0.105/2.667
YCAIRD06A-3R3M	3.3	0.0026	33.7	1.29/32.77	0.105/2.667
YCAIRD06A-5R6M	5.6	0.0036	31.0	1.29/32.77	0.105/2.667
YCAIRD06A-8R2M	8.2	0.0041	30.4	1.29/32.77	0.105/2.667
YCAIRD06A-120K	12.0	0.0047	29.6	1.37/34.80	0.105/2.667
YCAIRD06A-150K	15.0	0.0055	27.6	1.39/35.31	0.094/2.388
YCAIRD06A-180K	18.0	0.0062	25.9	1.37/34.80	0.094/2.388
YCAIRD06A-220K	22.0	0.0068	24.5	1.37/34.80	0.094/2.388
YCAIRD06A-270K	27.0	0.0077	23.3	1.37/34.80	0.094/2.388
YCAIRD06A-330K	33.0	0.0084	22.3	1.37/34.80	0.094/2.388
YCAIRD06A-390K	39.0	0.0112	18.4	1.17/29.72	0.084/2.134
YCAIRD06A-470K	47.0	0.0132	18.0	1.17/29.72	0.084/2.134
YCAIRD06A-560K	56.0	0.0142	17.5	1.44/36.58	0.075/1.915
YCAIRD06A-680K	68.0	0.0180	15.6	1.44/36.58	0.075/1.915
YCAIRD06A-820K	82.0	0.0202	14.8	1.43/36.32	0.075/1.915
YCAIRD06A-101K	100.0	0.0223	14.0	1.43/36.32	0.075/1.915
YCAIRD06A-121K	120.0	0.0324	11.7	1.44/36.58	0.060/1.524
YCAIRD06A-151K	150.0	0.0368	11.0	1.44/36.58	0.060/1.524
YCAIRD06A-181K	180.0	0.0468	9.5	1.44/36.58	0.054/1.372
YCAIRD06A-221K	220.0	0.0520	9.0	1.44/36.58	0.054/1.372
YCAIRD06A-271K	270	0.0587	8.50	1.46/37.08	0.054/1.372
YCAIRD06A-331K	330	0.0780	7.80	1.46/37.08	0.054/1.372
YCAIRD06A-391K	390	0.0844	7.50	1.45/36.83	0.048/1.219
YCAIRD06A-471K	470	0.1200	6.50	1.43/36.32	0.048/1.219
YCAIRD06A-561K	560	0.1310	6.20	1.44/36.58	0.048/1.219
YCAIRD06A-681K	680	0.1420	6.00	1.46/37.08	0.048/1.219
YCAIRD06A-821K	820	0.1870	4.90	1.45/36.83	0.043/1.092
YCAIRD06A-102K	1000	0.2060	4.70	1.45/36.83	0.043/1.092
YCAIRD06A-122K	1200	0.3010	3.85	1.45/36.83	0.035/0.889
YCAIRD06A-152K	1500	0.3530	3.74	1.46/37.08	0.035/0.889
YCAIRD06A-182K	1800	0.3830	3.43	1.46/37.08	0.035/0.889
YCAIRD06A-222K	2200	0.5480	2.90	1.45/36.83	0.031/0.787
YCAIRD06A-272K	2700	0.7930	2.28	1.46/37.08	0.031/0.787
YCAIRD06A-332K	3300	0.8740	2.15	1.45/36.83	0.031/0.787
YCAIRD06A-392K	3900	0.9480	2.08	1.46/37.08	0.031/0.787
YCAIRD06A-472K	4700	1.2400	2.00	1.46/37.08	0.028/0.711
YCAIRD06A-562K	5600	1.4000	1.88	1.46/37.08	0.028/0.711
YCAIRD06A-682K	6800	1.8400	1.80	1.46/37.08	0.028/0.711
YCAIRD06A-822K	8200	2.3800	1.50	1.47/37.34	0.028/0.711
YCAIRD06A-103K	10000	2.7500	1.40	1.47/37.34	0.028/0.711

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