

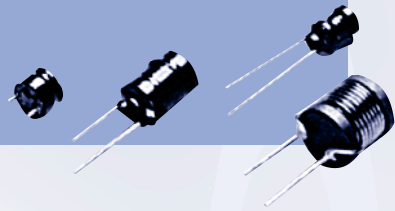
Choke Coils

Radial Leaded Thru Hole

ADCRC Series



ADCRC Series



FEATURES

- Small-sized, lightweight vertical radial lead.
- Specially designed magnetic core for higher self-resonant frequency.
- Excellent temperature and humidity characteristics.
- Low priced.
- Applications: Radio & Radio-Cassette Tape Recorders and Toys.

BENEFITS

| | |
|---------------------------------|-------------------------------|
| Temperature Rise | 20°C |
| Ambient Temperature | 60°C |
| Operating Temperature Range | -20°C to +60°C |
| Dielectric withstanding Voltage | 250V r.m.s |
| Rated Current | Based on inductance variation |
| Terminal Tensile Strength | 1.5 Kg min. |
| Terminal Bending Strength | 0.5 Kg min. |

STANDARD SPECIFICATIONS

| TYPE | ADCRC-5080 | ADCRC-7010B | ADCRC-9013 | ADCRC-1314 |
|--------------------------|-------------------------------------|------------------------------------|-----------------------------------|-------------------------------------|
| Inductance Range (uH) | 1 uH ~ 27000 uH | 1.2 uH ~ 68000 uH | 10 uH ~ 56000 uH | 10 uH ~ 100 uH |
| External Dimensions (mm) | | | | |
| (Connection Bottom) | <p>2.5±0.5 Start of winding</p> | <p>4 ±0.5 Start of winding</p> | <p>5±0.5 Start of winding</p> | <p>5.5±0.5 Start of winding</p> |



Choke Coils

Radial Led Thru Hole

ADCRC Series — Continued

ADCRC-5080 SERIES STANDARD SPECIFICATIONS

| ORDERING CODE | INDUCTANCE (μ H) | Q min. | TEST FREQUENCY (MHz) | SELF-RESONANT FREQUENCY (MHz) min. | DC RESISTANCE (ohm) max. | RATED DC CURRENT (mA) max. |
|------------------|---------------------------|-----------|-------------------------|--|--------------------------------|----------------------------------|
| ADCRC-5080-1R0 □ | 1.0 \pm 20% | 40 | 25.20 | 45 | 0.11 | 960 |
| ADCRC-5080-1R2 □ | 1.2 \pm 20% | 40 | 7.96 | 40 | 0.12 | 960 |
| ADCRC-5080-1R5 □ | 1.5 \pm 10%, \pm 5% | 40 | 7.96 | 35 | 0.12 | 960 |
| ADCRC-5080-1R8 □ | 1.8 \pm 10%, \pm 5% | 40 | 7.96 | 32 | 0.12 | 880 |
| ADCRC-5080-2R2 □ | 2.2 \pm 10%, \pm 5% | 40 | 7.96 | 28 | 0.12 | 880 |
| ADCRC-5080-2R7 □ | 2.7 \pm 10%, \pm 5% | 50 | 7.96 | 26 | 0.12 | 880 |
| ADCRC-5080-3R3 □ | 3.3 \pm 10%, \pm 5% | 50 | 7.96 | 25 | 0.12 | 800 |
| ADCRC-5080-3R9 □ | 3.9 \pm 10%, \pm 5% | 50 | 7.96 | 24 | 0.12 | 800 |
| ADCRC-5080-4R7 □ | 4.7 \pm 10%, \pm 5% | 50 | 7.96 | 22 | 0.13 | 800 |
| ADCRC-5080-5R6 □ | 5.6 \pm 10%, \pm 5% | 50 | 7.96 | 21 | 0.13 | 800 |
| ADCRC-5080-6R8 □ | 6.8 \pm 10%, \pm 5% | 50 | 7.96 | 20 | 0.15 | 640 |
| ADCRC-5080-8R2 □ | 8.2 \pm 10%, \pm 5% | 50 | 7.96 | 18 | 0.16 | 640 |
| ADCRC-5080-100 □ | 10 \pm 10%, \pm 5% | 50 | 7.96 | 16 | 0.34 | 640 |
| ADCRC-5080-120 □ | 12 \pm 10%, \pm 5% | 50 | 2.52 | 15 | 0.37 | 480 |
| ADCRC-5080-150 □ | 15 \pm 10%, \pm 5% | 50 | 2.52 | 13 | 0.37 | 480 |
| ADCRC-5080-180 □ | 18 \pm 10%, \pm 5% | 60 | 2.52 | 12 | 0.47 | 480 |
| ADCRC-5080-220 □ | 22 \pm 10%, \pm 5% | 60 | 2.52 | 11.5 | 0.5 | 480 |
| ADCRC-5080-250 □ | 25 \pm 10%, \pm 5% | 60 | 2.52 | 11 | 0.56 | 480 |
| ADCRC-5080-270 □ | 27 \pm 10%, \pm 5% | 60 | 2.52 | 10.7 | 0.6 | 400 |
| ADCRC-5080-300 □ | 30 \pm 10%, \pm 5% | 60 | 2.52 | 10 | 0.6 | 400 |
| ADCRC-5080-330 □ | 33 \pm 10%, \pm 5% | 60 | 2.52 | 9.5 | 0.6 | 320 |
| ADCRC-5080-390 □ | 39 \pm 10%, \pm 5% | 50 | 2.52 | 8.5 | 0.6 | 320 |
| ADCRC-5080-470 □ | 47 \pm 10%, \pm 5% | 50 | 2.52 | 8 | 0.75 | 320 |
| ADCRC-5080-560 □ | 56 \pm 10%, \pm 5% | 50 | 2.52 | 7.7 | 0.75 | 240 |
| ADCRC-5080-680 □ | 68 \pm 10%, \pm 5% | 50 | 2.52 | 7.2 | 0.75 | 240 |
| ADCRC-5080-820 □ | 82 \pm 10%, \pm 5% | 50 | 2.52 | 7 | 0.93 | 200 |
| ADCRC-5080-101 □ | 100 \pm 10%, \pm 5% | 60 | 2.52 | 6 | 1.83 | 200 |
| ADCRC-5080-121 □ | 120 \pm 10%, \pm 5% | 60 | 0.796 | 5 | 2.12 | 200 |
| ADCRC-5080-151 □ | 150 \pm 10%, \pm 5% | 60 | 0.796 | 4.8 | 2.25 | 120 |
| ADCRC-5080-181 □ | 180 \pm 10%, \pm 5% | 60 | 0.796 | 4.5 | 2.48 | 120 |
| ADCRC-5080-221 □ | 220 \pm 10%, \pm 5% | 60 | 0.796 | 4.5 | 2.74 | 120 |
| ADCRC-5080-271 □ | 270 \pm 10%, \pm 5% | 60 | 0.796 | 3.8 | 3.28 | 120 |
| ADCRC-5080-331 □ | 330 \pm 10%, \pm 5% | 60 | 0.796 | 3.5 | 3.48 | 120 |
| ADCRC-5080-391 □ | 390 \pm 10%, \pm 5% | 55 | 0.796 | 3.4 | 5.18 | 120 |
| ADCRC-5080-471 □ | 470 \pm 10%, \pm 5% | 55 | 0.796 | 3.0 | 5.24 | 56 |
| ADCRC-5080-561 □ | 560 \pm 10%, \pm 5% | 55 | 0.796 | 2.8 | 5.24 | 56 |
| ADCRC-5080-681 □ | 680 \pm 10%, \pm 5% | 55 | 0.796 | 2.5 | 7 | 56 |
| ADCRC-5080-821 □ | 820 \pm 10%, \pm 5% | 50 | 0.796 | 2.3 | 8 | 56 |
| ADCRC-5080-102 □ | 1000 \pm 10%, \pm 5% | 50 | 0.796 | 2 | 12 | 48 |
| ADCRC-5080-122 □ | 1200 \pm 10%, \pm 5% | 50 | 0.252 | 1.9 | 13 | 48 |
| ADCRC-5080-152 □ | 1500 \pm 10%, \pm 5% | 50 | 0.252 | 1.7 | 15 | 48 |
| ADCRC-5080-182 □ | 1800 \pm 10%, \pm 5% | 45 | 0.252 | 1.6 | 18 | 48 |
| ADCRC-5080-222 □ | 2200 \pm 10%, \pm 5% | 45 | 0.252 | 1.4 | 20 | 32 |
| ADCRC-5080-272 □ | 2700 \pm 10%, \pm 5% | 45 | 0.252 | 1.3 | 28 | 32 |
| ADCRC-5080-332 □ | 3300 \pm 10%, \pm 5% | 40 | 0.252 | 1.1 | 32 | 32 |
| ADCRC-5080-392 □ | 3900 \pm 10%, \pm 5% | 40 | 0.252 | 1 | 36 | 20 |
| ADCRC-5080-472 □ | 4700 \pm 10%, \pm 5% | 40 | 0.252 | 0.9 | 41 | 20 |
| ADCRC-5080-562 □ | 5600 \pm 10%, \pm 5% | 40 | 0.252 | 0.9 | 61 | 20 |
| ADCRC-5080-682 □ | 6800 \pm 10%, \pm 5% | 40 | 0.252 | 0.8 | 70 | 16 |
| ADCRC-5080-822 □ | 8200 \pm 10%, \pm 5% | 30 | 0.252 | 0.7 | 80 | 16 |
| ADCRC-5080-103 □ | 10000 \pm 10%, \pm 5% | 20 | 0.252 | 0.6 | 89 | 16 |
| ADCRC-5080-123 □ | 12000 \pm 10%, \pm 5% | 20 | 0.0796 | 0.6 | 104 | 10 |
| ADCRC-5080-153 □ | 15000 \pm 10%, \pm 5% | 20 | 0.0796 | 0.4 | 170 | 10 |
| ADCRC-5080-183 □ | 18000 \pm 10%, \pm 5% | 20 | 0.0796 | 0.4 | 199 | 10 |
| ADCRC-5080-223 □ | 22000 \pm 10%, \pm 5% | 20 | 0.0796 | 0.4 | 248 | 10 |
| ADCRC-5080-273 □ | 27000 \pm 10%, \pm 5% | 20 | 0.0796 | 0.3 | 275 | 10 |

Inductance Tolerance: □ M \pm 20%, K \pm 10%, J \pm 5%, H \pm 2.5%.