

THRU-HOLE POWER INDUCTORS



AIUR-09 SERIES

FEATURES:

- Ferrite core with heat shrink tube
- High Reliability

OPTIONS:

- Bulk Pack is standard

APPLICATIONS:

- Electronic Appliance
- Noise Filtering

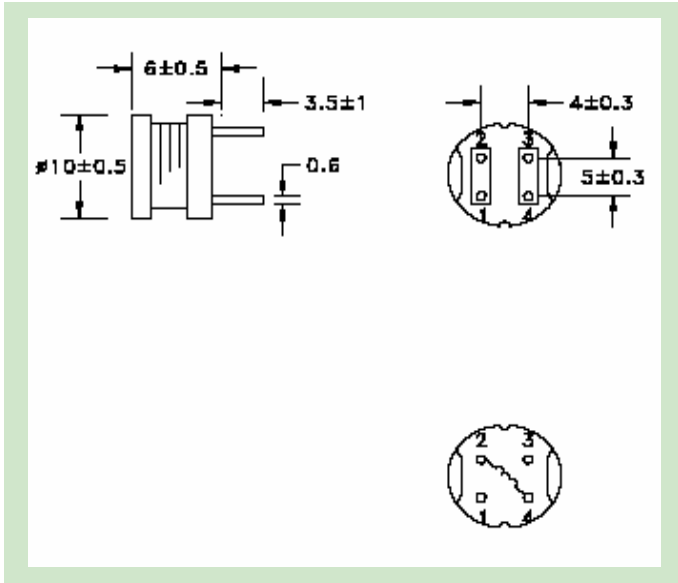
STANDARD SPECIFICATIONS:

| Part Number AIUR-09 | L (μH) | R _{DC} (Ω) Max | I _{DC} (A) Max |
|------------------------|--------|-------------------------------|-------------------------------|
| 100K | 10 | 0.044 | 3.6 |
| 120K | 12 | 0.054 | 3.3 |
| 150K | 15 | 0.062 | 2.9 |
| 180K | 18 | 0.088 | 2.7 |
| 220K | 22 | 0.092 | 2.4 |
| 270K | 27 | 0.110 | 2.2 |
| 330K | 33 | 0.140 | 2.0 |
| 390K | 39 | 0.160 | 1.8 |
| 470K | 47 | 0.180 | 1.7 |

| Part Number AIUR-09 | L (μH) | R _{DC} (Ω) Max | I _{DC} (A) Max |
|------------------------|--------|-------------------------------|-------------------------------|
| 560K | 56 | 0.21 | 1.5 |
| 680K | 68 | 0.25 | 1.4 |
| 820K | 82 | 0.32 | 1.3 |
| 101K | 100 | 0.36 | 1.3 |
| 121K | 120 | 0.42 | 1.1 |
| 151K | 150 | 0.51 | 1.0 |
| 181K | 180 | 0.62 | 0.84 |
| 221K | 220 | 0.70 | 0.81 |

| Part Number AIUR-09 | L (μH) | R _{DC} (Ω) Max | I _{DC} (A) Max |
|------------------------|--------|-------------------------------|-------------------------------|
| 271K | 270 | 0.90 | 0.72 |
| 331K | 330 | 1.20 | 0.62 |
| 391K | 390 | 1.30 | 0.59 |
| 471K | 470 | 1.50 | 0.57 |
| 561K | 560 | 1.90 | 0.49 |
| 681K | 680 | 2.40 | 0.45 |
| 821K | 820 | 2.80 | 0.43 |
| 102K | 1000 | 3.30 | 0.36 |

PHYSICAL CHARACTERISTICS:



TECHNICAL INFORMATION:

- Test frequency: 10μH-82μH = 2.52 MHz; 100μH-1000μH = 1 KHz
- Tolerance: K=±10%, M=±20%
- Letter suffix indicates standard tolerance
- Temperature: -55°C to +125°C with no load
-55°C to +85°C with full rated current
- Marking: EIA color code or value
- L drops 10% typical @ IDC from initial value
- Check SCD for detail E&M specification

Mouser Electronics

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ABRACON:

[AIUR-09-100M](#) [AIUR-09-101K](#) [AIUR-09-102K](#) [AIUR-09-120M](#) [AIUR-09-121K](#) [AIUR-09-150M](#) [AIUR-09-151K](#)
[AIUR-09-180M](#) [AIUR-09-181K](#) [AIUR-09-220M](#) [AIUR-09-221K](#) [AIUR-09-270M](#) [AIUR-09-271K](#) [AIUR-09-330M](#) [AIUR-](#)
[09-331K](#) [AIUR-09-390M](#) [AIUR-09-391K](#) [AIUR-09-470M](#) [AIUR-09-471K](#) [AIUR-09-560M](#) [AIUR-09-561K](#) [AIUR-09-](#)
[680M](#) [AIUR-09-681K](#) [AIUR-09-820M](#) [AIUR-09-821K](#)