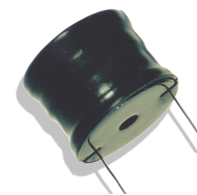


# THRU-HOLE POWER INDUCTORS

## AIUR-10 SERIES



### FEATURES:

- Ferrite core with heat shrink tube
- High Reliability

### OPTIONS:

- Bulk Pack is standard

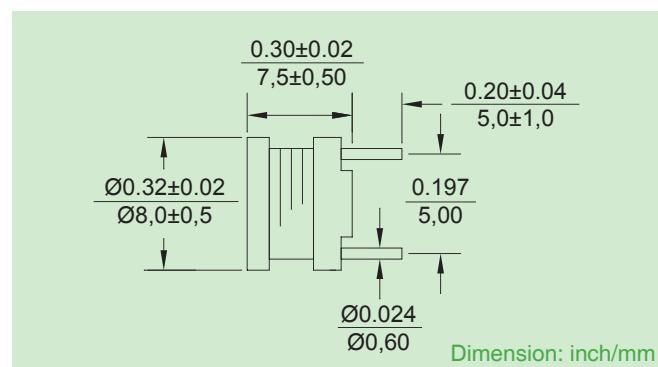
### APPLICATIONS:

- Electronic Appliance
- Noise Filtering

### STANDARD SPECIFICATIONS

| Part Number  | Inductance<br>( $\mu\text{H} \pm 10\%$ ) | DCR<br>( $\Omega$ max.) | I <sub>DC</sub><br>(A Max) |
|--------------|------------------------------------------|-------------------------|----------------------------|
| AIUR-10-5R6K | 5.6                                      | 0.08                    | 2.45                       |
| AIUR-10-100K | 10                                       | 0.08                    | 2.45                       |
| AIUR-10-120K | 12                                       | 0.09                    | 2.30                       |
| AIUR-10-150K | 15                                       | 0.10                    | 2.00                       |
| AIUR-10-180K | 18                                       | 0.12                    | 1.80                       |
| AIUR-10-220K | 22                                       | 0.13                    | 1.67                       |
| AIUR-10-270K | 27                                       | 0.14                    | 1.59                       |
| AIUR-10-330K | 33                                       | 0.15                    | 1.27                       |
| AIUR-10-390K | 39                                       | 0.16                    | 1.19                       |
| AIUR-10-470K | 47                                       | 0.23                    | 1.16                       |
| AIUR-10-560K | 56                                       | 0.26                    | 1.08                       |
| AIUR-10-680K | 68                                       | 0.27                    | 1.02                       |
| AIUR-10-820K | 82                                       | 0.31                    | 0.86                       |
| AIUR-10-101K | 100                                      | 0.44                    | 0.77                       |
| AIUR-10-121K | 120                                      | 0.50                    | 0.73                       |
| AIUR-10-151K | 150                                      | 0.58                    | 0.59                       |
| AIUR-10-181K | 180                                      | 0.65                    | 0.55                       |
| AIUR-10-221K | 220                                      | 0.85                    | 0.45                       |
| AIUR-10-271K | 270                                      | 0.99                    | 0.41                       |
| AIUR-10-331K | 330                                      | 1.12                    | 0.35                       |
| AIUR-10-391K | 390                                      | 1.26                    | 0.32                       |
| AIUR-10-471K | 470                                      | 1.68                    | 0.28                       |
| AIUR-10-561K | 560                                      | 1.88                    | 0.24                       |
| AIUR-10-681K | 680                                      | 2.18                    | 0.23                       |
| AIUR-10-821K | 820                                      | 2.71                    | 0.21                       |
| AIUR-10-102K | 1000                                     | 3.01                    | 0.20                       |
| AIUR-10-122K | 1200                                     | 3.41                    | 0.18                       |
| AIUR-10-152K | 1500                                     | 4.00                    | 0.17                       |
| AIUR-10-182K | 1800                                     | 6.12                    | 0.16                       |
| AIUR-10-222K | 2200                                     | 6.98                    | 0.16                       |
| AIUR-10-272K | 2700                                     | 7.97                    | 0.16                       |
| AIUR-10-332K | 3300                                     | 11.8                    | 0.15                       |
| AIUR-10-392K | 3900                                     | 13.0                    | 0.14                       |
| AIUR-10-103K | 10000                                    | 25.0                    | 0.10                       |

### PHYSICAL CHARACTERISTICS:



### TECHNICAL INFORMATION:

- Test frequency: 10 $\mu\text{H}$ -82 $\mu\text{H}$  = 2.52 MHz  
100 $\mu\text{H}$ -3900 $\mu\text{H}$  = 1 KHz
- Tolerance: K=±10%
- Letter suffix indicates standard tolerance
- Temperature: -40°C to +125°C with no load  
-40°C to +85°C with full rated current
- Marking: Value and tolerance
- L drops 10% typical @ IDC from initial value
- Check SCD for detail E&M specification

# Mouser Electronics

Authorized Distributor

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## ABRACON:

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