

# THRU-HOLE POWER INDUCTORS



## AIUR-07, AIUR-08 SERIES

### FEATURES:

- Ferrite core with heat shrink tube
- High Reliability

### OPTIONS:

- Bulk Pack is standard

### APPLICATIONS:

- Electronic Appliance
- Noise Filtering

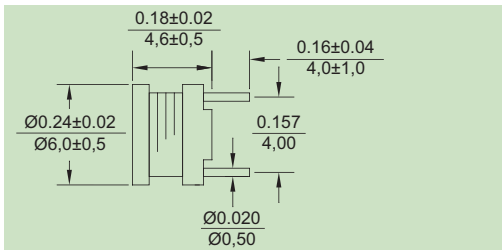
### STANDARD SPECIFICATIONS:

Part Number AIUR-07	L (μH)	R <sub>DC</sub> (Ω) Max	I <sub>DC</sub> (A) Max
100K	10	0.10	1.5
120K	12	0.12	1.4
150K	15	0.13	1.3
180K	18	0.14	1.1
220K	22	0.16	1.0
270K	27	0.19	0.9
330K	33	0.25	0.8
390K	39	0.28	0.8
470K	47	0.32	0.7

Part Number AIUR-07	L (μH)	R <sub>DC</sub> (Ω) Max	I <sub>DC</sub> (A) Max
560K	56	0.37	0.6
680K	68	0.46	0.6
820K	82	0.54	0.5
101K	100	0.66	0.5
121K	120	0.87	0.4
151K	150	1.03	0.4
181K	180	1.26	0.4
221K	220	1.39	0.3

Part Number AIUR-07	L (μH)	R <sub>DC</sub> (Ω) Max	I <sub>DC</sub> (A) Max
271K	270	2.0	0.3
331K	330	2.2	0.3
391K	390	2.6	0.2
471K	470	3.0	0.2
561K	560	3.5	0.2
681K	680	4.7	0.18
821K	820	5.3	0.17
102K	1000	6.3	0.15

### PHYSICAL CHARACTERISTICS:



### TECHNICAL INFORMATION:

- Test frequency: 10μH-82μH = 2.52 MHz 100μH-1000μH = 1 KHz
- Tolerance: K = ±10% (Standard)
- 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

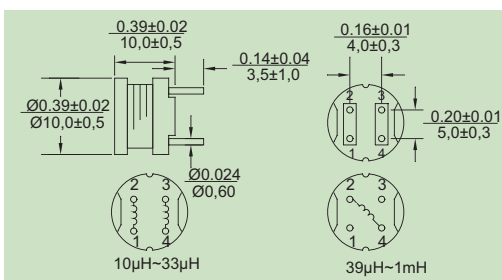
### STANDARD SPECIFICATIONS:

Part Number AIUR-08	L (μH)	R <sub>DC</sub> (Ω) Max	I <sub>DC</sub> (A) Max
100K	10	0.022	5.3
120K	12	0.023	4.9
150K	15	0.026	4.4
180K	18	0.033	4.0
220K	22	0.037	3.6
270K	27	0.048	3.3
330K	33	0.055	2.9
390K	39	0.073	2.7
470K	47	0.083	2.5

Part Number AIUR-08	L (μH)	R <sub>DC</sub> (Ω) Max	I <sub>DC</sub> (A) Max
560K	56	0.092	0.6
680K	68	0.12	0.6
820K	82	0.14	0.5
101K	100	0.16	0.5
121K	120	0.20	0.4
151K	150	0.23	0.4
181K	180	0.31	0.4
221K	220	0.34	0.3

Part Number AIUR-08	L (μH)	R <sub>DC</sub> (Ω) Max	I <sub>DC</sub> (A) Max
271K	270	0.40	1.00
331K	330	0.52	0.93
391K	390	0.65	0.86
471K	470	0.71	0.78
561K	560	1.00	0.71
681K	680	1.10	0.65
821K	820	1.30	0.59
102K	1000	1.70	0.53

### PHYSICAL CHARACTERISTICS:



### TECHNICAL INFORMATION:

- Test frequency: 10μH-82μH = 2.52 MHz 100μH-1000μH = 1 KHz
- Tolerance: K = ±10% (Standard)
- 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