

THRU-HOLE POWER INDUCTORS

AIUR-05, AIUR-06 SERIES



FEATURES:

- Ferrite core with heat shrink tube
- High Reliability

OPTIONS:

- Bulk Pack is standard

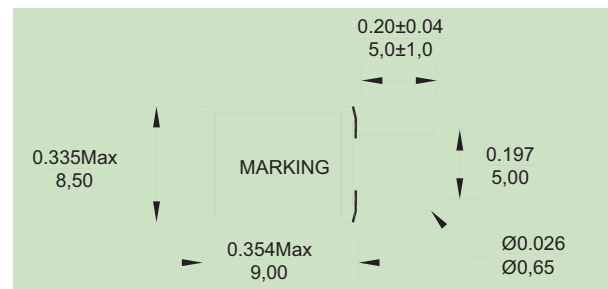
APPLICATIONS:

- Electronic Appliance
- Noise Filtering

STANDARD SPECIFICATIONS:

Part Number AIUR-05	L (μH)	Q Min	Test Freq (MHz)	R _{DC} (Ω) Max	I _{DC} (A) Max	SRF (MHz) Min
3R3M	3.3	10	7.96	0.013	4.50	38
4R7M	4.7	10	7.96	0.017	3.70	30
6R8M	6.8	10	7.96	0.022	3.10	24
100K	10	20	2.52	0.031	2.50	19
150K	15	20	2.52	0.042	2.00	15
220K	22	20	2.52	0.070	1.60	12
330K	33	20	2.52	0.092	1.30	10
470K	47	20	2.52	0.130	1.10	8.2
680K	68	20	2.52	0.160	0.91	6.6
101K	100	15	0.796	0.230	0.75	5.4
151K	150	15	0.796	0.400	0.61	4.3
221K	220	15	0.796	0.530	0.50	3.5
331K	330	15	0.796	0.780	0.41	2.8
471K	470	10	0.796	1.000	0.34	2.3
681K	680	10	0.796	1.500	0.28	1.9
102K	1000	20	0.252	2.200	0.23	1.5
152K	1500	30	0.252	3.500	0.18	1.2

PHYSICAL CHARACTERISTICS:



TECHNICAL INFORMATION:

- Lp tolerance: K = ±10%, M = ±20%
- Letter suffix indicates standard tolerance
- IDC Max: typical 10% inductance drop from initial value
- Operating Temperature: -40°C to +125°C with no load -40°C to +85°C with full rated current
- Marking: Inductance and tolerance
- Warping: UL Heat Shrink tube

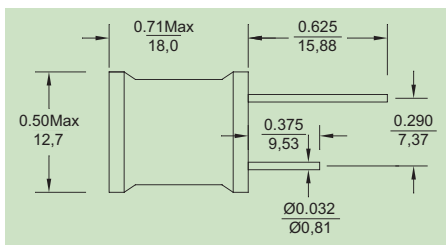
STANDARD SPECIFICATIONS:

Part Number AIUR-06	L (μH)	R _{DC} (Ω) Max	I _{DC} (A) Max
3R9K	3.9	0.016	14.2
4R7K	4.7	0.018	13.0
5R6K	5.6	0.021	11.0
6R8K	6.8	0.023	10.0
8R2K	8.2	0.026	9.5
100K	10	0.031	8.8
120K	12	0.036	7.9
150K	15	0.040	7.1
180K	18	0.041	7.4
220K	22	0.043	6.1
270K	27	0.046	5.5
330K	33	0.051	5.2
390K	39	0.054	4.5
470K	47	0.063	4.1
560K	56	0.075	3.8

Part Number AIUR-06	L (μH)	R _{DC} (Ω) Max	I _{DC} (A) Max
680K	68	0.078	3.5
820K	82	0.088	3.1
101K	100	0.108	2.8
121K	120	0.127	2.6
151K	150	0.162	2.4
181K	180	0.228	2.1
221K	220	0.252	1.9
271K	270	0.270	1.75
331K	330	0.394	1.62
391K	390	0.416	1.40
471K	470	0.568	1.30
561K	560	0.65	1.20
681K	680	0.74	1.10
821K	820	1.00	0.96
102K	1000	1.20	0.88

Part Number AIUR-06	L (μH)	R _{DC} (Ω) Max	I _{DC} (A) Max
122K	1200	1.5	0.80
152K	1500	1.7	0.72
182K	1800	1.8	0.66
222K	2200	2.4	0.60
272K	2700	2.8	0.54
332K	3300	3.7	0.48
392K	3900	5.0	0.42
472K	4700	5.6	0.40
562K	5600	6.3	0.37
682K	6800	8.4	0.34
822K	8200	9.6	0.31
103K	10000	10.5	0.29
123K	12000	14.5	0.25
153K	15000	20.5	0.23

PHYSICAL CHARACTERISTICS:



TECHNICAL INFORMATION:

- Test frequency: 10KHz 0.1VRMS
- 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
- UL Shrink Tube
- Check SCD for detail E&M specification

Mouser Electronics

Authorized Distributor

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ABRACON:

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