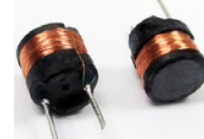


# Unshielded Radial Power Inductor

AIUR-10 Series



**RoHS**  
Compliant



7.5 x  $\phi$ 8.0 mm

## FEATURES:

- Ferrite core with heat shrink tube
- High Reliability

## APPLICATIONS:

- Switching Power Supplies
- Noise Filtering
- DC to DC Converters
- Electronic Household Appliances
- Buzzers and Alarm Systems
- Television and Audio Equipment

## STANDARD SPECIFICATIONS:

### PARAMETERS

ABRACON P/N:	AIUR-10 Series
Operating temperature:	-55°C to + 85°C with full rated current, -55°C ~ +125°C with no load.
Storage temperature:	-40°C to + 85°C

Part Number	Inductance	Tolerance	DCR (Max)	Rated Current (Max)	Inductance Code
Units	$\mu$ H	%	$\Omega$	A	
Symbol	L	K	DCR	IDC	
AIUR-10-5R6	5.6	K	0.08	2.45	5R6K
AIUR-10-100	10	K	0.08	2.45	100K
AIUR-10-120	12	K	0.09	2.30	120K
AIUR-10-150	15	K	0.10	2.00	150K
AIUR-10-180	18	K	0.12	1.80	180K
AIUR-10-220	22	K	0.13	1.67	220K
AIUR-10-270	27	K	0.14	1.59	270K
AIUR-10-330	33	K	0.15	1.27	330K
AIUR-10-390	39	K	0.16	1.19	390K
AIUR-10-470	47	K	0.23	1.16	470K
AIUR-10-560	56	K	0.26	1.08	560K
AIUR-10-680	68	K	0.27	1.02	680K
AIUR-10-820	82	K	0.31	0.86	820K
AIUR-10-101	100	K	0.44	0.77	101K
AIUR-10-121	120	K	0.50	0.73	121K
AIUR-10-151	150	K	0.58	0.59	151K
AIUR-10-181	180	K	0.65	0.55	181K
AIUR-10-221	220	K	0.85	0.45	221K
AIUR-10-271	270	K	0.99	0.41	271K
AIUR-10-331	330	K	1.12	0.35	331K
AIUR-10-391	390	K	1.26	0.32	391K
AIUR-10-471	470	K	1.68	0.28	471K
AIUR-10-561	560	K	1.88	0.24	561K
AIUR-10-681	680	K	2.18	0.23	681K
AIUR-10-821	820	K	2.71	0.21	821K
AIUR-10-102	1000	K	3.01	0.20	102K
AIUR-10-122	1200	K	3.41	0.18	122K
AIUR-10-152	1500	K	4.00	0.17	152K
AIUR-10-182	1800	K	6.12	0.16	182K
AIUR-10-222	2200	K	6.98	0.16	222K
AIUR-10-272	2700	K	7.97	0.16	272K
AIUR-10-332	3300	K	11.8	0.15	332K
AIUR-10-392	3900	K	13.0	0.14	392K
AIUR-10-103	10000	K	25.0	0.10	103K

### Test Conditions

Test frequency: 1KHz for 100 $\mu$ H~10,000 $\mu$ H; 2.52MHz for 10 $\mu$ H~82 $\mu$ H; 7.96MHz for 5.6 $\mu$ H

Rated Current: The DC current at which the inductance drops to 90% of its initial value

ABRACON IS  
ISO 9001:2008  
CERTIFIED



**ABRACON**  
CORPORATION

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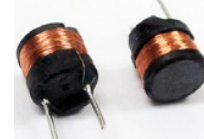
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tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)

Revised: 08.08.12

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AIUR-10 Series

 RoHS



7.5 x  $\phi$ 8.0 mm

## PART IDENTIFICATIONS:

AIUR-10-

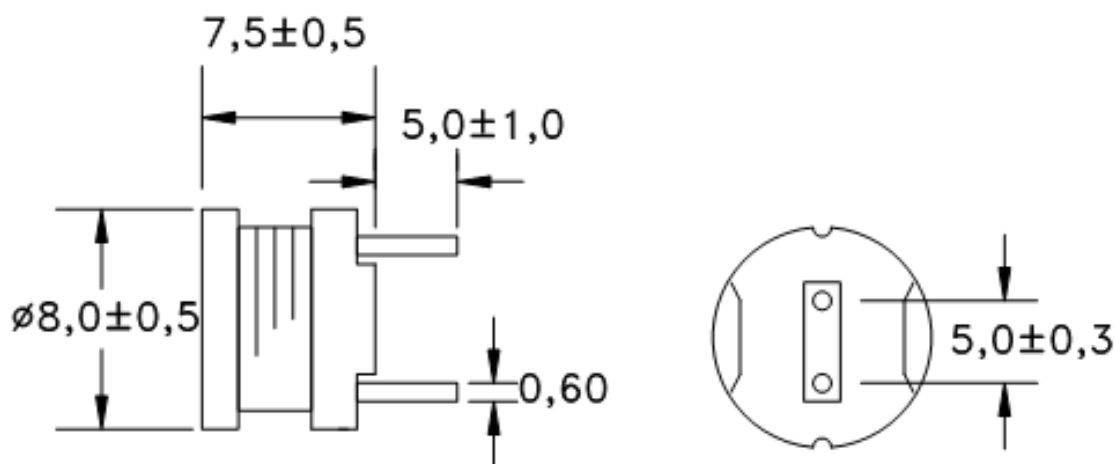
### Inductance Code

Please refer to the  
Electrical Spec Table

### Tolerance

K:  $\pm 10\%$

## OUTLINE DRAWING:



Dimension: mm

Packing (1,000pcs / Box)

**ATTENTION:** Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

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