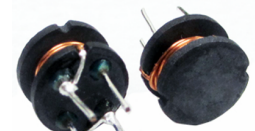


# Unshielded Radial Power Inductor

AIUR-09 Series



RoHS  
Compliant



6.0 x  $\phi$ 10.0 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-09 Series
Operating temperature:	-40°C to + 125°C (including self-heating)
Storage temperature:	-40°C to + 125°C

Part Number	Inductance	Tolerance	DCR (Max)	Rated Current (Max)	Inductance Code
Units	$\mu$ H	%	$\Omega$	A	
Symbol	L	M, K	DCR	IDC	
AIUR-09-100	10	M	0.044	3.6	100
AIUR-09-120	12	M	0.054	3.3	120
AIUR-09-150	15	M	0.062	2.9	150
AIUR-09-180	18	M	0.088	2.7	180
AIUR-09-220	22	M	0.092	2.4	220
AIUR-09-270	27	M	0.110	2.2	270
AIUR-09-330	33	M	0.140	2.0	330
AIUR-09-390	39	M	0.160	1.8	390
AIUR-09-470	47	M	0.180	1.7	470
AIUR-09-560	56	M	0.210	1.5	560
AIUR-09-680	68	M	0.25	1.4	680
AIUR-09-820	82	M	0.32	1.3	820
AIUR-09-101	100	K	0.36	1.3	101
AIUR-09-121	120	K	0.42	1.1	121
AIUR-09-151	150	K	0.51	1.0	151
AIUR-09-181	180	K	0.62	0.84	181
AIUR-09-221	220	K	0.70	0.81	221
AIUR-09-271	270	K	0.90	0.72	271
AIUR-09-331	330	K	1.20	0.62	331
AIUR-09-391	390	K	1.30	0.59	391
AIUR-09-471	470	K	1.50	0.57	471
AIUR-09-561	560	K	1.90	0.49	561
AIUR-09-681	680	K	2.40	0.45	681
AIUR-09-821	820	K	2.80	0.43	821
AIUR-09-102	1000	K	3.30	0.36	102

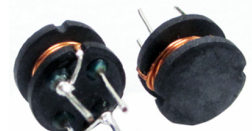
## Test Conditions and equipments

Test frequency: 1KHz @ 0.25V

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

# Unshielded Radial Power Inductor

AIUR-09 Series



6.0 x  $\phi$ 10.0 mm

## ➤ PART IDENTIFICATIONS:

AIUR-09-

### Inductance Code

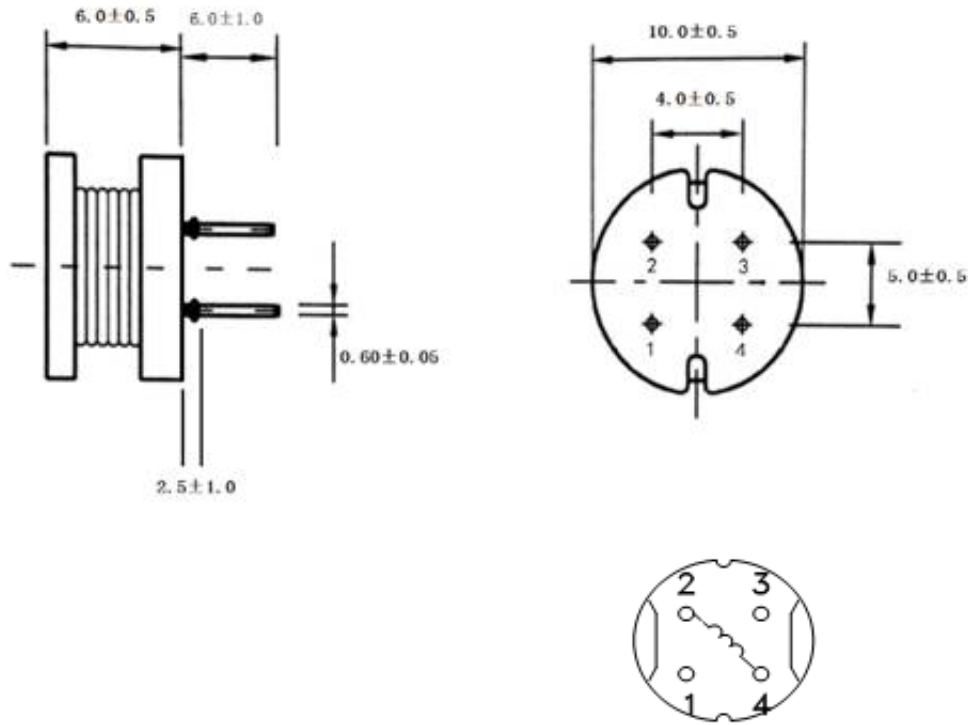
Please refer to the Electrical Spec Table

### Tolerance

M:  $\pm 20\%$

K:  $\pm 10\%$

## ➤ OUTLINE DRAWING:



Dimension: mm

Packing (500pcs / Box)

**ATTENTION:** Abracon LLC'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-dependent 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 LLC is required. Please contact Abracon LLC for more information.