

# Unshielded Radial Power Inductor

AIUR-12 Series



RoHS/RoHS II compliant



7.20 x  $\phi$ 8.20mm

## 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-12 Series
Operating temperature:	-40°C to + 85°C
Storage temperature:	-55°C to + 85°C

Part Number AIUR-12- Inductance Code	Inductance	Tolerance	DCR (Max)	Rated Current (Max)	SRF (Max)	Q (Min)	Marking
Units	$\mu$ H	%	$\Omega$	A	MHz		
Symbol	L	K	DCR	IDC			
AIUR-12-100	10	K	0.07	1.50	20.0	30	100K
AIUR-12-150	15	K	0.08	1.10	10.0	30	150K
AIUR-12-220	22	K	0.11	1.00	10.0	30	220K
AIUR-12-330	33	K	0.15	0.92	5.0	30	330K
AIUR-12-470	47	K	0.28	0.78	5.0	30	470K
AIUR-12-680	68	K	0.30	0.77	2.0	30	680K
AIUR-12-101	100	K	0.50	0.66	2.0	30	101K
AIUR-12-151	150	K	0.54	0.52	2.0	30	151K
AIUR-12-221	220	K	1.05	0.44	2.0	30	221K
AIUR-12-331	330	K	1.21	0.38	2.0	30	331K
AIUR-12-471	470	K	1.87	0.31	1.0	30	471K
AIUR-12-681	680	K	2.70	0.25	1.0	30	681K
AIUR-12-102	1000	K	3.80	0.17	1.0	30	102K
AIUR-12-152	1500	K	5.40	0.13	1.0	30	152K
AIUR-12-182	1800	K	6.80	0.12	1.0	30	182K
AIUR-12-222	2200	K	11.00	0.11	1.0	30	222K
AIUR-12-472	4700	K	18.00	0.07	0.3	30	472K

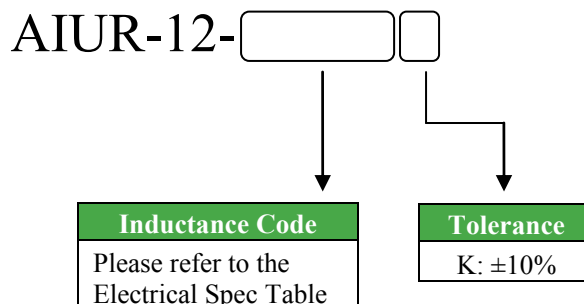
### Test Conditions and equipments

Test frequency: 100KHz, 0.1Vrms

Rated Current: The DC current at which the inductance drops to 90% of its initial value or when temperature rise reaches 30°C, whichever is sooner.

## PART IDENTIFICATION:

Packing (484pcs / Box)



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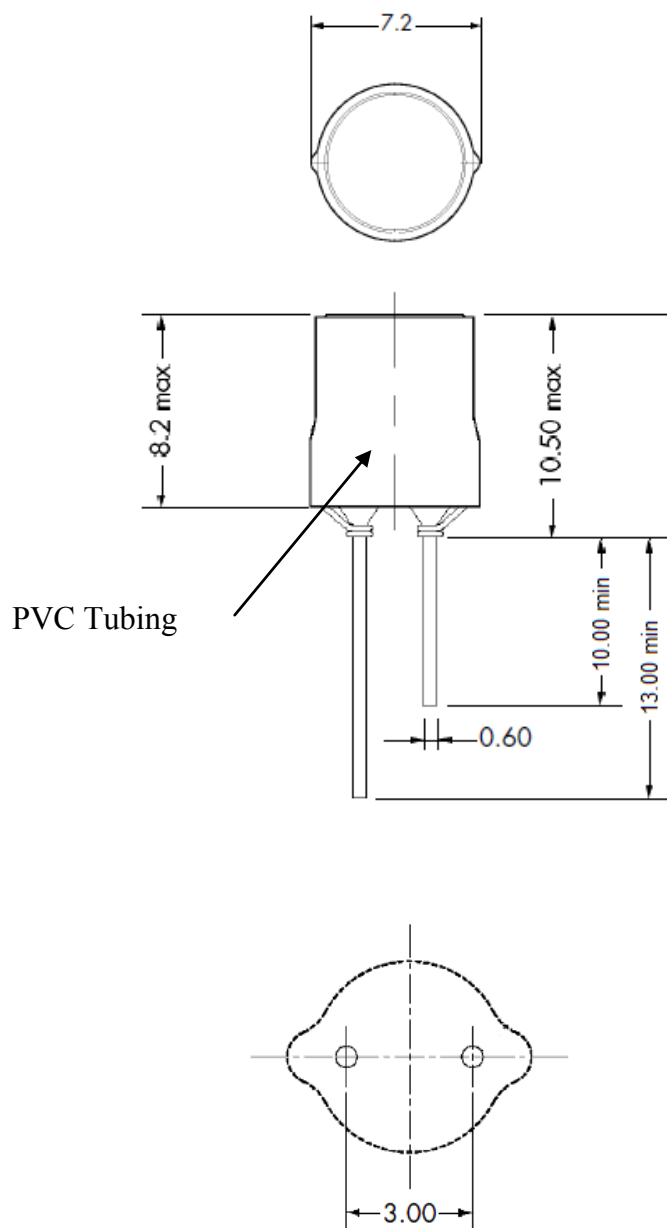


RoHS  
Compliant



7.20 x  $\phi$ 8.20mm

## OUTLINE DRAWING:



Dimension: mm

**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.

ABRACON IS  
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CERTIFIED



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