

# AIUR-12-330K Datasheet

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DiGi Electronics Part Number	AIUR-12-330K-DG
Manufacturer	<a href="#">Abracon LLC</a>
Manufacturer Product Number	AIUR-12-330K
Description	FIXED IND 33UH 920MA 150 MOHM TH
Detailed Description	33 $\mu$ H Unshielded Drum Core, Wirewound Inductor 920 mA 150mOhm Max Radial, Vertical Cylinder



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

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## Purchase and inquiry

Manufacturer Product Number:

AIUR-12-330K

Series:

AIUR-12

Type:

Drum Core, Wirewound

Inductance:

33  $\mu$ H

Current Rating (Amps):

920 mA

Shielding:

Unshielded

Q @ Freq:

30 @ 100kHz

Ratings:

-

Inductance Frequency - Test:

100 kHz

Package / Case:

Radial, Vertical Cylinder

Size / Dimension:

0.283" Dia (7.20mm)

Manufacturer:

Abracon LLC

Product Status:

Obsolete

Material - Core:

Ferrite

Tolerance:

$\pm$ 10%

Current - Saturation (Isat):

-

DC Resistance (DCR):

150mOhm Max

Frequency - Self Resonant:

5MHz

Operating Temperature:

-40°C ~ 85°C

Mounting Type:

Through Hole

Supplier Device Package:

-

Height - Seated (Max):

0.413" (10.50mm)

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.4000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99



# 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:

AIUR-12-

Packing (484pcs / Box)

### Inductance Code

Please refer to the  
Electrical Spec Table

### Tolerance

K:  $\pm$ 10%

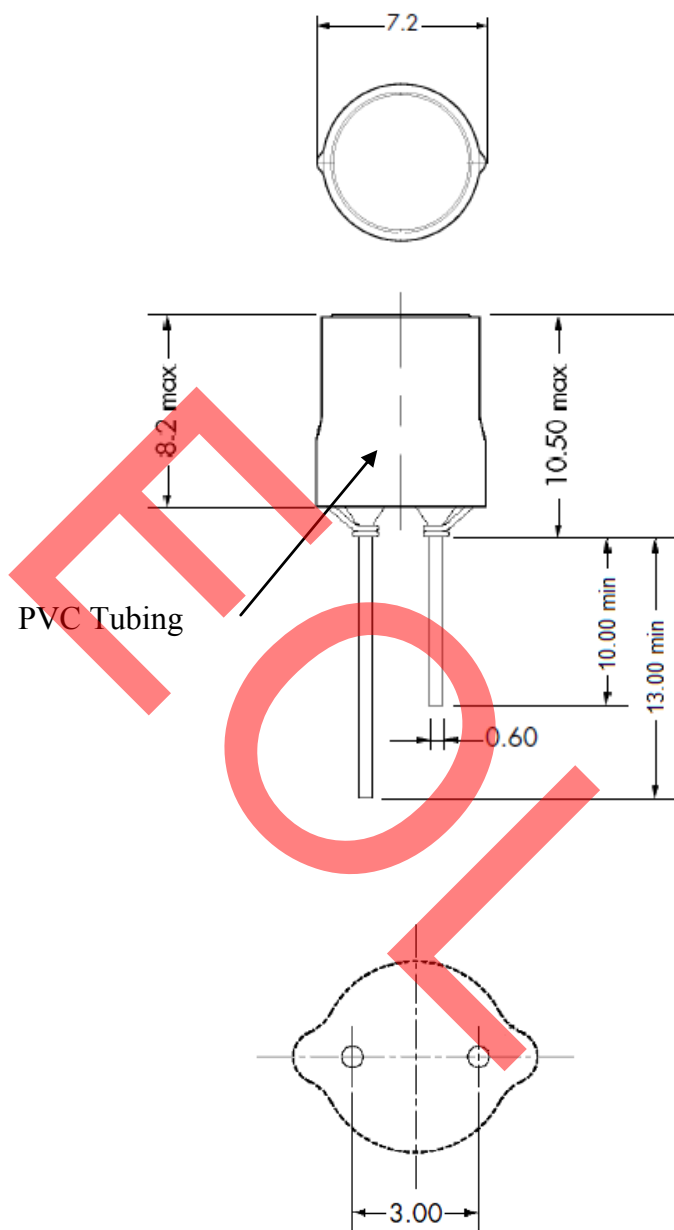


# Unshielded Radial Power Inductor

AIUR-12 Series


**RoHS**  
Compliant
7.20 x  $\phi$ 8.20mm

## OUTLINE DRAWING:



Dimension: mm

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 30332 Esperanza, Rancho Santa Margarita, California 92688  
tel 949-546-8000 | fax 949-546-800 | [www.abracon.com](http://www.abracon.com)



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