

# Mini Drum Core Inductor

AIUR-01 Series



RoHS/RoHS II Compliant



7.5 x  $\phi$ 8.5 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-01 Series
Operating temperature:	-25°C to + 85°C
Storage temperature:	-25°C to + 125°C

Part Number AIUR-01- Inductance Code	Inductance	Tolerance	Q (Min)/ Frequency	DCR (Max)	Saturation Current (Max)	SRF (Typ)
Units	$\mu$ H	%		$\Omega$	mA	MHz
Symbol	L	K		DCR	Isat	
AIUR-01-101	100	K	10/796KHz	2	200	6.1
AIUR-01-121	120	K	10/796KHz	3	200	5.5
AIUR-01-151	150	K	10/796KHz	3	200	5.0
AIUR-01-181	180	K	10/796KHz	3	200	4.7
AIUR-01-221	220	K	10/796KHz	3	150	4.5
AIUR-01-271	270	K	10/796KHz	3	150	4.1
AIUR-01-331	330	K	10/796KHz	4	150	4.8
AIUR-01-391	390	K	10/796KHz	4	100	3.5
AIUR-01-471	470	K	10/796KHz	5	100	3.2
AIUR-01-561	560	K	10/796KHz	6	100	2.0
AIUR-01-681	680	K	10/796KHz	6	100	2.7
AIUR-01-821	820	K	10/796KHz	7	50	2.1
AIUR-01-102	1000	K	10/252KHz	9	50	2.5
AIUR-01-122	1200	K	10/252KHz	9	50	1.9
AIUR-01-152	1500	K	10/252KHz	11	50	1.8
AIUR-01-182	1800	K	10/252KHz	12	50	1.6
AIUR-01-222	2200	K	10/252KHz	14	50	1.5
AIUR-01-272	2700	K	10/252KHz	15	50	1.4
AIUR-01-332	3300	K	10/252KHz	25	40	0.9
AIUR-01-392	3900	K	10/252KHz	30	40	0.9
AIUR-01-472	4700	K	10/252KHz	32	40	0.8
AIUR-01-562	5600	K	10/252KHz	36	30	0.7
AIUR-01-682	6800	K	10/252KHz	40	30	0.7
AIUR-01-822	8200	K	10/252KHz	45	30	0.6
AIUR-01-103	10000	K	10/79.6KHz	55	20	0.6
AIUR-01-123	12000	K	10/79.6KHz	65	20	0.5
AIUR-01-153	15000	K	10/79.6KHz	80	20	0.5

## Test Conditions and equipments

L Test frequency: 100KHz 0.1Vrms

DCR: QuadTech Milliohmmeter

Isat: 10% inductance drops from initial value

ABRACON IS  
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CORPORATION

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30332 Esperanza, Rancho Santa Margarita, California 92688  
tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)

Revised: 01.17.13

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7.5 x  $\phi$ 8.5 mm

## OPTIONS & PART IDENTIFICATION:

Packing (200pcs / box)

AIUR-01-

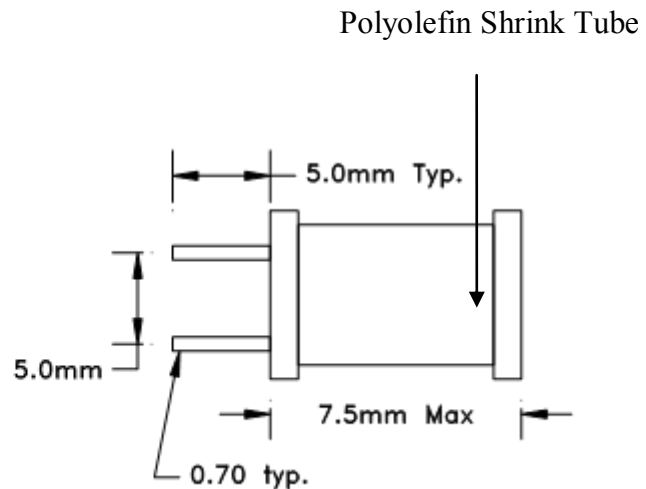
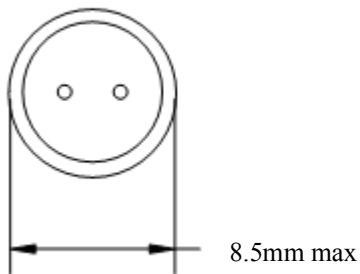
### Inductance Code

Please refer to the  
Electrical Spec Table

### Tolerance

K:  $\pm 10\%$

## 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.

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