

# Mini Drum Core Inductor

AIUR-05 Series



**RoHS**  
Compliant



9.0 x  $\phi$ 8.5 mm

## FEATURES:

- Ferrite core with heat shrink tube
- High Reliability

## APPLICATIONS:

- Electronic Appliance
- Automotive system

## STANDARD SPECIFICATIONS:

### PARAMETERS

ABRACON P/N:	AIUR-05 Series
Operating temperature:	-25°C to + 85°C
Storage temperature:	-25°C to + 125°C

Part Number	Inductance	Tolerance	Q (Min)	Test Frequency	DCR (Max)	Saturation Current (Max)	SRF (Min)
Units	$\mu$ H	%		kHz	$\Omega$	mA	MHz
Symbol	L	M, K			DCR	Isat*	
AIUR-05-3R3	3.3	M	10	7.96	0.013	4.50	38
AIUR-05-4R7	4.7	M	10	7.96	0.017	3.70	30
AIUR-05-6R8	6.8	M	10	7.96	0.022	3.10	24
AIUR-05-100	10	K	20	2.52	0.031	2.50	19
AIUR-05-150	15	K	20	2.52	0.042	2.00	15
AIUR-05-220	22	K	20	2.52	0.070	1.60	12
AIUR-05-330	33	K	20	2.52	0.092	1.30	10
AIUR-05-470	47	K	20	2.52	0.130	1.10	8.2
AIUR-05-680	68	K	20	2.52	0.160	0.91	6.6
AIUR-05-101	100	K	15	0.796	0.230	0.75	5.4
AIUR-05-151	150	K	15	0.796	0.400	0.61	4.3
AIUR-05-221	220	K	15	0.796	0.530	0.50	3.5
AIUR-05-331	330	K	15	0.796	0.780	0.41	2.8
AIUR-05-471	470	K	10	0.796	1.000	0.34	2.3
AIUR-05-681	680	K	10	0.796	1.500	0.28	1.9
AIUR-05-102	1000	K	20	0.252	2.200	0.23	1.5
AIUR-05-152	1500	K	30	0.252	3.500	0.18	1.2

## Test Conditions and equipments

DCR: QuadTech Milliohmmeter

Isat: 10% inductance drops from initial value



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## OPTIONS & PART IDENTIFICATION:

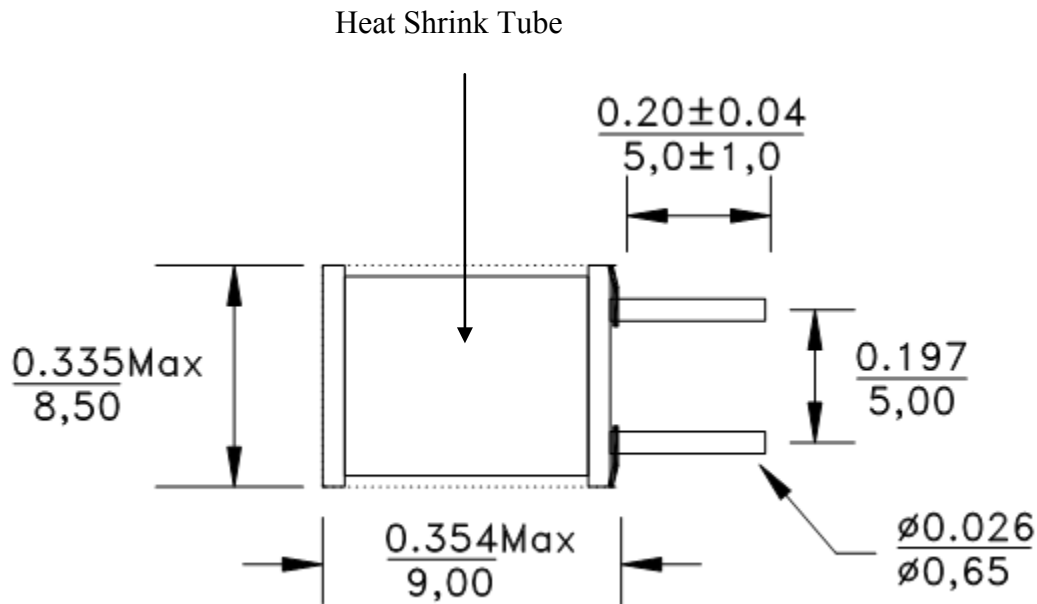
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AIUR-05-

Inductance Code
Please refer to the Electrical Spec Table

Tolerance
M: $\pm 20\%$
K: $\pm 10\%$

## OUTLINE DRAWING:



Dimension: inch/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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