

Unshielded Radial Power Inductor

AIUR-05 Series



RoHS/RoHS II Compliant



9.0 x ϕ 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-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)	Temperature Rise Current (Max)	SRF (Min)	Inductance Code
Units	μ H	%		MHz	Ω	A	A	MHz	
Symbol	L	M, K			DCR	Isat	I _{DC}		
AIUR-05-2R2	2.2	M	10	7.96	0.012	5.00	3.0	50	2R2M
AIUR-05-3R3	3.3	M	10	7.96	0.013	4.50	2.8	38	3R3M
AIUR-05-4R7	4.7	M	10	7.96	0.017	3.70	2.7	30	4R7M
AIUR-05-6R8	6.8	M	10	7.96	0.022	3.10	2.3	24	6R8M
AIUR-05-100	10	K	10	2.52	0.031	2.50	2.1	19	100K
AIUR-05-150	15	K	10	2.52	0.042	2.00	1.4	15	150K
AIUR-05-220	22	K	10	2.52	0.070	1.60	1.2	12	220K
AIUR-05-330	33	K	10	2.52	0.092	1.30	1.0	10	330K
AIUR-05-470	47	K	10	2.52	0.130	1.10	0.9	8.2	470K
AIUR-05-680	68	K	10	2.52	0.160	0.91	0.63	6.6	680K
AIUR-05-101	100	K	10	0.796	0.230	0.75	0.59	5.4	101K
AIUR-05-151	150	K	10	0.796	0.400	0.61	0.46	4.3	151K
AIUR-05-221	220	K	10	0.796	0.530	0.50	0.38	3.5	221K
AIUR-05-331	330	K	10	0.796	0.780	0.41	0.30	2.8	331K
AIUR-05-471	470	K	10	0.796	1.000	0.34	0.28	2.3	471K
AIUR-05-681	680	K	10	0.796	1.500	0.28	0.22	1.9	680K
AIUR-05-102	1000	K	10	0.252	2.200	0.23	0.18	1.5	102K
AIUR-05-152	1500	K	10	0.252	3.500	0.18	0.15	1.2	152K

Test Conditions and equipments

DCR: QuadTech Milliohmometer

Isat: 10% inductance drops from initial value

IDC: The DC current at which the temperature rise is 40°C max



Unshielded Radial Power Inductor

AIUR-05 Series



RoHS/RoHS II Compliant



9.0 x ϕ 8.5 mm

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

AIUR-05-

Packing (200pcs / box)

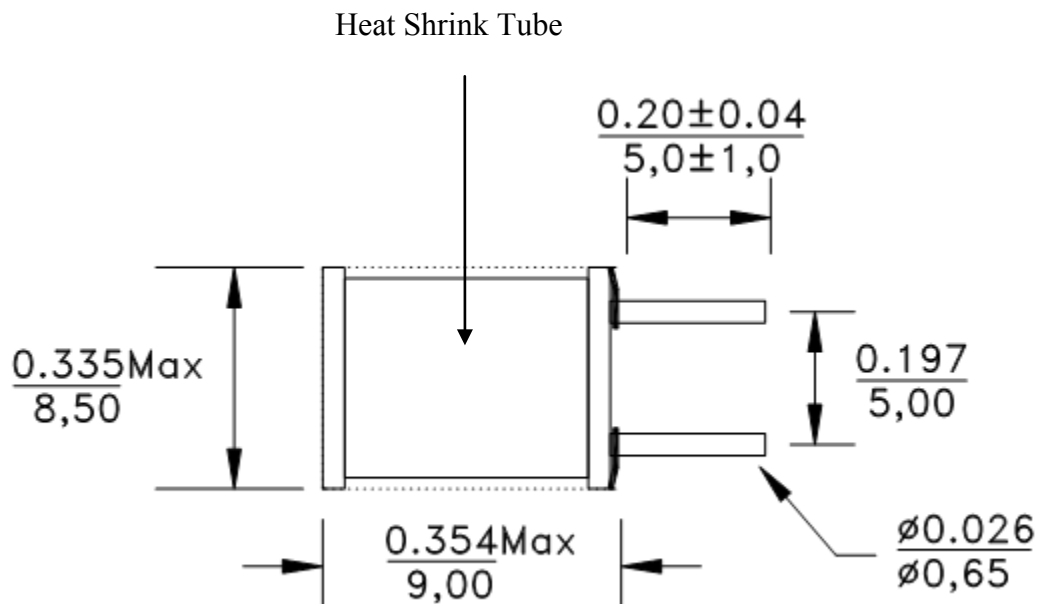
Inductance Code

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
ISO 9001:2008
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale

30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-800 | www.abracon.com

Revised: 04.24.13