Unshielded Radial Power Inductor

AIUR-08 Series



11.0 x ϕ11.0 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-08 Series
Operating temperature:	-25°C ~ +85°C
Storage temperature:	-25°C ~ +85°C

Part Number	Inductance	Tolerance	DCR (Max)	Rated Current (Max)	Inductance Code
Units	µH	%	Ω	A	
Symbol	L	K	DCR	IDC	
AIUR-08-100	10	K	0.030	5.30	100K
AIUR-08-120	12	K	0.023	4.90	120K
AIUR-08-150	15	K	0.026	4.40	150K
AIUR-08-180	18	K	0.033	4.00	180K
AIUR-08-220	22	K	0.037	3.60	220K
AIUR-08-270	27	K	0.048	3.30	270K
AIUR-08-330	33	K	0.055	2.90	330K
AIUR-08-390	39	K	0.073	2.70	390K
AIUR-08-470	47	K	0.083	2.50	470K
AIUR-08-560	56	K	0.092	2.30	560K
AIUR-08-680	68	K	0.120	2.10	680K
AIUR-08-820	82	K	0.140	1.90	820K
AIUR-08-101	100	K	0.160	1.70	101K
AIUR-08-121	120	K	0.200	1.50	121K
AIUR-08-151	150	K	0.230	1.40	151K
AIUR-08-181	180	K	0.310	1.30	181K
AIUR-08-221	220	K	0.340	1.10	221K
AIUR-08-271	270	K	0.400	1.00	271K
AIUR-08-331	330	K	0.520	0.93	331K
AIUR-08-391	390	K	0.650	0.86	391K
AIUR-08-471	470	K	0.710	0.78	471K
AIUR-08-561	560	K	1.000	0.71	561K
AIUR-08-681	680	K	1.100	0.65	681K
AIUR-08-821	820	K	1.300	0.59	821K
AIUR-08-102	1000	K	1.700	0.53	102K

Test Conditions and equipments

Test frequency: 1KHz for 100µH~1000µH; 2.52MHz for 10µH~82µH

Rated Current: The DC current at which the inductance drops to 90% of its initial value or when $\Delta T=40^{o}C$, whichever is lower ($Ta=20^{o}C$)

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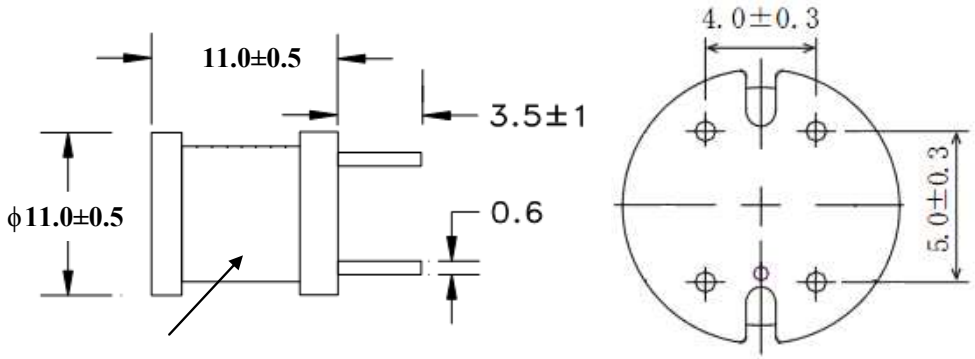
11.0 x ϕ11.0 mm

PART IDENTIFICATIONS:

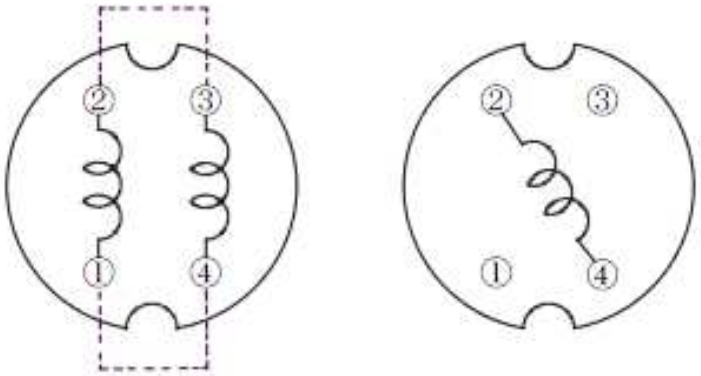
AIUR-08-□□

Inductance Code	Tolerance
Please refer to the Electrical Spec Table	K: ±10%

OUTLINE DRAWING:



Polyethylene Tube



(10μH~33μH) (39μH~1mH)

Dimension: mm

Packing (405pcs / Box)

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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