



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Unshielded Radial Power Inductor

AIUR-09 Series



RoHS
Compliant



6.0 x ϕ 10.0 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-09 Series
Operating temperature:	-55°C to + 85°C with full rated current, -55°C ~ +125°C with no load.
Storage temperature:	-40°C to + 85°C

Part Number	Inductance	Tolerance	DCR (Max)	Rated Current (Max)	Inductance Code
Units	μ H	%	Ω	A	
Symbol	L	M, K	DCR	IDC	
AIUR-09-100	10	M	0.044	3.6	100
AIUR-09-120	12	M	0.054	3.3	120
AIUR-09-150	15	M	0.062	2.9	150
AIUR-09-180	18	M	0.088	2.7	180
AIUR-09-220	22	M	0.092	2.4	220
AIUR-09-270	27	M	0.110	2.2	270
AIUR-09-330	33	M	0.140	2.0	330
AIUR-09-390	39	M	0.160	1.8	390
AIUR-09-470	47	M	0.180	1.7	470
AIUR-09-560	56	M	0.210	1.5	560
AIUR-09-680	68	M	0.25	1.4	680
AIUR-09-820	82	M	0.32	1.3	820
AIUR-09-101	100	K	0.36	1.3	101
AIUR-09-121	120	K	0.42	1.1	121
AIUR-09-151	150	K	0.51	1.0	151
AIUR-09-181	180	K	0.62	0.84	181
AIUR-09-221	220	K	0.70	0.81	221
AIUR-09-271	270	K	0.90	0.72	271
AIUR-09-331	330	K	1.20	0.62	331
AIUR-09-391	390	K	1.30	0.59	391
AIUR-09-471	470	K	1.50	0.57	471
AIUR-09-561	560	K	1.90	0.49	561
AIUR-09-681	680	K	2.40	0.45	681
AIUR-09-821	820	K	2.80	0.43	821
AIUR-09-102	1000	K	3.30	0.36	102

Test Conditions and equipments

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

Rated Current: The DC current at which the inductance drops to 90% of its initial value

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PART IDENTIFICATIONS:

AIUR-09-

Inductance Code

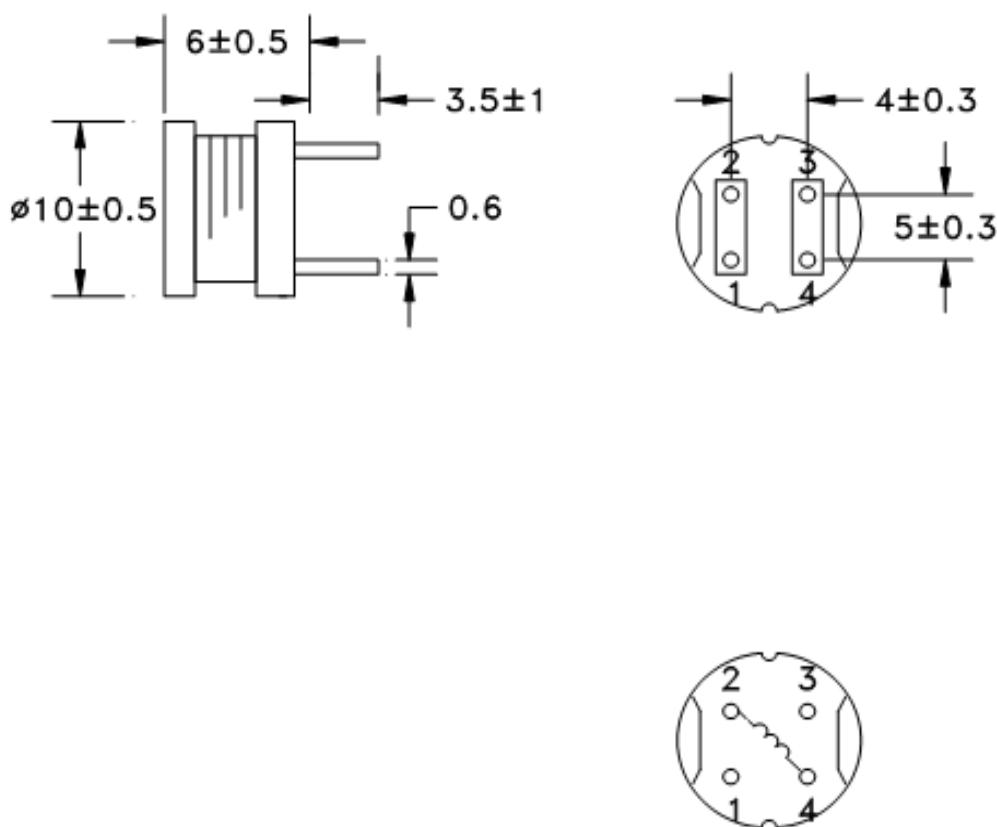
Please refer to the
Electrical Spec Table

Tolerance

M: $\pm 20\%$

K: $\pm 10\%$

OUTLINE DRAWING:



Packing (540pcs / 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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Revised: 08.29.12

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