



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-11 Series



RoHS
Compliant



11.43 x ϕ 9.53mm

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-11 Series
Operating temperature:	-40°C to + 85°C
Storage temperature:	-40°C to + 125°C

Part Number AIUR-11- Inductance Code	Inductance	Tolerance	DCR (Max)	I _{DC} (Max)	I _{RMS} (Max)	Marking
Units	μ H	%	Ω	A	A	
Symbol	L	M, K	DCR	I _{DC}	I _{RMS}	
AIUR-11-3R9	3.9	M	0.022	6.80	1.60	3R9M
AIUR-11-4R7	4.7	M	0.024	6.20	1.60	4R7M
AIUR-11-5R6	5.6	M	0.025	5.60	1.60	5R6M
AIUR-11-6R8	6.8	M	0.028	5.10	1.60	6R8M
AIUR-11-8R2	8.2	M	0.030	4.60	1.60	8R2M
AIUR-11-100	10	K	0.034	4.20	1.60	100K
AIUR-11-120	12	K	0.038	3.80	1.60	120K
AIUR-11-150	15	K	0.043	3.30	1.60	150K
AIUR-11-180	18	K	0.049	3.10	1.60	180K
AIUR-11-120	22	K	0.054	2.70	1.60	120K
AIUR-11-270	27	K	0.059	2.50	1.60	270K
AIUR-11-330	33	K	0.066	2.30	1.60	330K
AIUR-11-390	39	K	0.078	2.20	1.60	390K
AIUR-11-470	47	K	0.102	1.90	1.30	470K
AIUR-11-560	56	K	0.138	1.60	1.00	560K
AIUR-11-680	68	K	0.168	1.45	1.00	680K
AIUR-11-820	82	K	0.174	1.30	1.00	820K
AIUR-11-101	100	K	0.180	1.20	1.00	101K
AIUR-11-121	120	K	0.234	1.10	0.80	121K
AIUR-11-151	150	K	0.276	1.00	0.80	151K
AIUR-11-181	180	K	0.300	0.92	0.80	181K
AIUR-11-221	220	K	0.353	0.86	0.80	221K
AIUR-11-271	270	K	0.500	0.76	0.62	271K
AIUR-11-331	330	K	0.635	0.700	0.490	331K
AIUR-11-391	390	K	0.720	0.620	0.490	391K
AIUR-11-471	470	K	0.816	0.600	0.490	471K
AIUR-11-561	560	K	1.030	0.540	0.385	561K
AIUR-11-681	680	K	1.200	0.510	0.385	681K
AIUR-11-821	820	K	1.54	0.450	0.300	821K
AIUR-11-102	1000	K	2.16	0.390	0.246	102K
AIUR-11-122	1200	K	2.40	0.360	0.246	122K
AIUR-11-152	1500	K	2.76	0.340	0.246	152K
AIUR-11-182	1800	K	3.60	0.300	0.190	182K
AIUR-11-222	2200	K	4.00	0.245	0.190	222K
AIUR-11-272	2700	K	6.00	0.238	0.150	272K
AIUR-11-332	3300	K	6.72	0.225	0.150	332K
AIUR-11-392	3900	K	8.80	0.200	0.120	392K
AIUR-11-472	4700	K	11.00	0.185	0.095	472K
AIUR-11-562	5600	K	13.20	0.170	0.095	562K
AIUR-11-682	6800	K	14.50	0.150	0.095	682K

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Units	μ H	%	Ω	A	A	
Symbol	L	K	DCR	I _{DC}	I _{RMS}	
AIUR-11-822	8200	K	16.55	0.140	0.095	822K
AIUR-11-103	10000	K	20.40	0.130	0.076	103K
AIUR-11-123	12000	K	24.00	0.120	0.076	123K
AIUR-11-153	15000	K	27.60	0.100	0.076	153K
AIUR-11-183	18000	K	37.20	0.096	0.060	183K
AIUR-11-223	22000	K	42.00	0.088	0.060	223K
AIUR-11-273	27000	K	58.80	0.082	0.046	273K
AIUR-11-333	33000	K	64.80	0.074	0.046	333K
AIUR-11-393	39000	K	72.00	0.064	0.046	393K
AIUR-11-473	47000	K	94.20	0.046	0.036	473K
AIUR-11-563	56000	K	105.00	0.043	0.036	563K
AIUR-11-683	68000	K	115.00	0.040	0.036	683K

Test Conditions

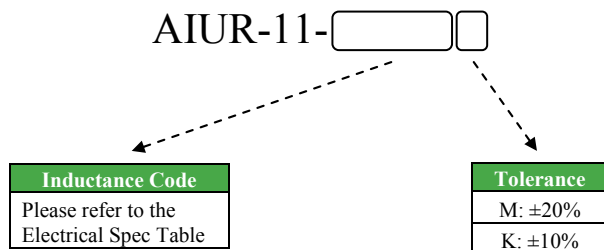
Test frequency: 1KHz, 0.1Vrms

I_{DC}: The DC current at which L drops 5% typical from its initial value

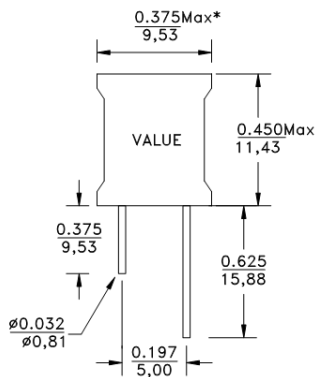
I_{RMS}: $\Delta T < 40^{\circ}\text{C}$ temperature rise

PART IDENTIFICATION:

Packing (500pcs / Box)



OUTLINE DRAWING:



Dimension: inch/mm

ATTENTION: Abracon LLC 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 LLC is required. Please contact Abracon LLC for more information.