



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!



Contact us

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Axial Power Inductor

AIAP-03

 RoHS/RoHS II Compliant



22.9 x φ11.4mm

FEATURES:

- Low cost axial leaded inductors
- High current rating
- Wide inductance range
- Covered with UL heat shrink tubing

APPLICATIONS:

- Power supplies
- Switching circuits
- TV and audio equipment
- Telecommunication devices
- RF and other filters

ELECTRICAL SPECIFICATIONS:

Part No.	L(μH)	Tolerance	DCR(Ω)	I _{DC} (A)
		(%)	(max)	(max)
AIAP-03-3R9	3.9	K	0.007	15.50
AIAP-03-4R7	4.7	K	0.008	13.90
AIAP-03-5R6	5.6	K	0.011	12.60
AIAP-03-6R8	6.8	K	0.013	11.60
AIAP-03-8R2	8.2	K	0.017	9.89
AIAP-03-100	10	K	0.019	8.70
AIAP-03-120	12	K	0.020	8.21
AIAP-03-150	15	K	0.022	7.34
AIAP-03-180	18	K	0.023	6.64
AIAP-03-220	22	K	0.026	6.07
AIAP-03-270	27	K	0.027	5.36
AIAP-03-330	33	K	0.032	4.83
AIAP-03-390	39	K	0.033	4.36
AIAP-03-470	47	K	0.035	3.98
AIAP-03-560	56	K	0.037	3.66
AIAP-03-680	68	K	0.047	3.31
AIAP-03-820	82	K	0.060	3.10
AIAP-03-101	100	K	0.090	2.79
AIAP-03-121	120	K	0.113	2.54
AIAP-03-151	150	K	0.129	2.22
AIAP-03-181	180	K	0.150	1.98
AIAP-03-221	220	K	0.162	1.89
AIAP-03-271	270	K	0.208	1.63
AIAP-03-331	330	K	0.212	1.51
AIAP-03-391	390	K	0.281	1.39
AIAP-03-471	470	K	0.380	1.24
AIAP-03-561	560	K	0.420	1.17
AIAP-03-681	680	K	0.548	1.050
AIAP-03-821	820	K	0.655	0.970
AIAP-03-102	1000	K	0.844	0.870
AIAP-03-122	1200	K	1.04	0.790
AIAP-03-152	1500	K	1.18	0.700
AIAP-03-182	1800	K	1.56	0.640
AIAP-03-222	2200	K	2.00	0.580
AIAP-03-272	2700	K	2.06	0.530
AIAP-03-332	3300	K	2.63	0.470
AIAP-03-392	3900	K	2.75	0.430
AIAP-03-472	4700	K	3.19	0.390
AIAP-03-562	5600	K	3.92	0.359
AIAP-03-682	6800	K	5.69	0.322
AIAP-03-822	8200	K	6.32	0.293
AIAP-03-103	10000	K	7.30	0.266
AIAP-03-123	12000	K	10.0	0.257
AIAP-03-153	15000	K	11.2	0.230

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 For terms and conditions of sales visit:
www.abracon.com

REVISED: 08/13/2018

ABRACON IS
 ISO9001-2015
 CERTIFIED



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AIAP-03

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Part No.	L(μH)	Tolerance	DCR(Ω)	I _{DC} (A)
		(%)	(max)	(max)
AIAP-03-183	18000	K	15.2	0.210
AIAP-03-223	22000	K	16.8	0.190
AIAP-03-273	27000	K	18.6	0.171
AIAP-03-333	33000	K	26.7	0.155
AIAP-03-393	39000	K	29.0	0.143
AIAP-03-473	47000	K	31.8	0.131
AIAP-03-563	56000	K	42.6	0.119
AIAP-03-683	68000	K	46.9	0.108
AIAP-03-823	82000	K	64.9	0.099
AIAP-03-104	100000	K	71.7	0.098
AIAP-03-124	120000	K	37.0	0.070

Test Conditions and equipments

Test frequency: 1kHz 0.1V_{rms}

I_{DC}: 10% inductance drops typical

Operating Temperature

-55°C ~ +125 °C

Storage Temperature

-40°C ~ +105 °C

PART NUMBER IDENTIFICATION

AIAP-03-

Packing (1000pcs / box)

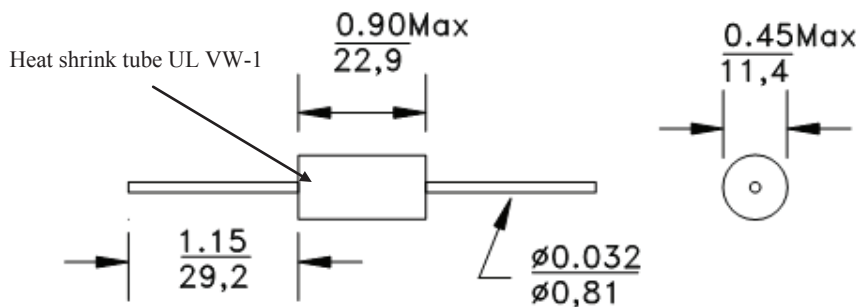
Inductance Code

Please refer to the table above

Tolerance

K: ±10%

OUTLINE DRAWING:



Dimension: inch/mm

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



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