



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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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Axial Power Inductor

AIAP-02



RoHS/RoHS II Compliant



14.0 x ϕ 6.4mm

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(μ H)	Tolerance (K: $\pm 10\%$)	DCR(Ω) max	I _{DC} (A) max	Inductance Code
AIAP-02-3R9	3.9	K	0.019	7.3	3R9K
AIAP-02-4R7	4.7	K	0.022	6.3	4R7K
AIAP-02-5R6	5.6	K	0.024	5.6	5R6K
AIAP-02-6R8	6.8	K	0.026	5.3	6R8K
AIAP-02-8R2	8.2	K	0.028	4.5	8R2K
AIAP-02-100	10	K	0.033	4.1	100K
AIAP-02-120	12	K	0.037	3.6	120K
AIAP-02-150	15	K	0.040	3.3	150K
AIAP-02-180	18	K	0.044	3.0	180K
AIAP-02-220	22	K	0.050	2.7	220K
AIAP-02-270	27	K	0.056	2.5	270K
AIAP-02-330	33	K	0.076	2.2	330K
AIAP-02-390	39	K	0.094	2.0	390K
AIAP-02-470	47	K	0.109	1.8	470K
AIAP-02-560	56	K	0.131	1.7	560K
AIAP-02-680	68	K	0.142	1.5	680K
AIAP-02-820	82	K	0.152	1.4	820K
AIAP-02-101	100	K	0.208	1.2	101K
AIAP-02-121	120	K	0.283	1.1	121K
AIAP-02-151	150	K	0.340	1.0	151K
AIAP-02-181	180	K	0.362	0.95	181K
AIAP-02-221	220	K	0.430	0.86	221K
AIAP-02-271	270	K	0.557	0.77	271K
AIAP-02-331	330	K	0.655	0.70	331K
AIAP-02-391	390	K	0.772	0.64	391K
AIAP-02-471	470	K	1.150	0.59	471K
AIAP-02-561	560	K	1.27	0.54	561K
AIAP-02-681	680	K	1.61	0.49	681K
AIAP-02-821	820	K	1.96	0.44	821K
AIAP-02-102	1000	K	2.30	0.40	102K
AIAP-02-122	1200	K	2.65	0.35	122K
AIAP-02-152	1500	K	3.45	0.33	152K
AIAP-02-182	1800	K	4.03	0.29	182K
AIAP-02-222	2200	K	4.48	0.27	222K
AIAP-02-272	2700	K	5.40	0.24	272K
AIAP-02-332	3300	K	6.56	0.22	332K
AIAP-02-392	3900	K	8.63	0.20	392K
AIAP-02-472	4700	K	9.66	0.18	472K
AIAP-02-562	5600	K	13.9	0.17	562K
AIAP-02-682	6800	K	16.3	0.15	682K
AIAP-02-822	8200	K	20.8	0.14	822K
AIAP-02-103	10000	K	26.4	0.14	102K
AIAP-02-123	12000	K	29.9	0.11	123K
AIAP-02-153	15000	K	42.5	0.10	153K
AIAP-02-183	18000	K	48.3	0.09	183K

Table #1

ABRACON IS
ISO 9001:2008
CERTIFIED



ABRACON
CORPORATION

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Axial Power Inductor

AIAP-02

 RoHS/RoHS II Compliant



14.0 x ϕ 6.4mm

Test Conditions and equipments

Test frequency: 1kHz 0.1Vrms

I_{DC}: 10% inductance drops typical

Operating Temperature

-40°C ~ +85 °C

Storage Temperature

-40°C ~ +85 °C

PART NUMBER IDENTIFICATION

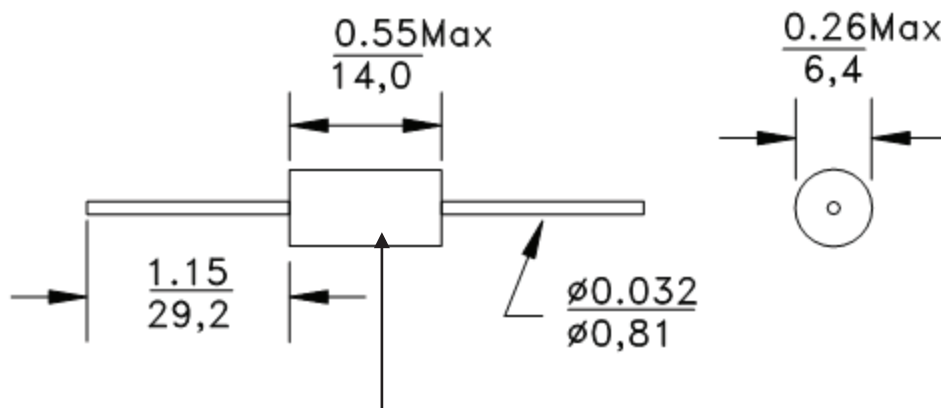
AIAP-02-

Packing (100pcs / bag)

Inductance Code

Please refer to table #1

OUTLINE DRAWING:



UL VW-1 heat shrink tube

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.

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