

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	DCR(Ω) max	I _{DC} (A) max	Inductance Code
AIAP-02-3R9	3.9	M	0.019	7.3	3R9M
AIAP-02-4R7	4.7	M	0.022	6.3	4R7M
AIAP-02-5R6	5.6	M	0.024	5.6	5R6M
AIAP-02-6R8	6.8	M	0.026	5.3	6R8M
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

Axial Power Inductor

AIAP-02



RoHS/RoHS II Compliant



14.0 x ϕ 6.4mm

Test Conditions and equipment

Test frequency: 1kHz ,0.25Vrms

I_{DC}: 10% inductance drops typical

Tolerance Codes

M: $\pm 20\%$, K: $\pm 10\%$

Operating Temperature

-40°C ~ +125 °C (including self-heating)

Storage Temperature

-40°C ~ +125 °C

➤ PART NUMBER IDENTIFICATION

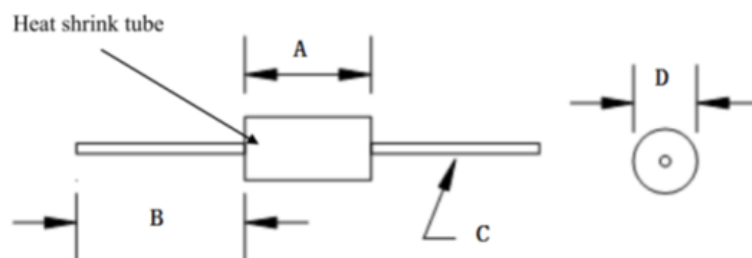
AIAP-02-

Packing (500pcs / bag)

Inductance Code

Please refer to table #1

➤ OUTLINE DRAWING:



A	B	C	D
14.0 MAX	29.2 $\pm$ 2	0.6	6.4 MAX

Dimension: 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-dependent 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.



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit: www.abracon.com

REVISED: 1.4.2021

ABRACON IS
ISO9001-2015
CERTIFIED