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) (max)	I_{DC}(A) (max)	Inductance Code
AIAP-03-3R9	3.9	M	0.007	15.50	3R9M
AIAP-03-4R7	4.7	M	0.008	13.90	4R7 M
AIAP-03-5R6	5.6	M	0.011	12.60	5R6 M
AIAP-03-6R8	6.8	M	0.013	11.60	6R8 M
AIAP-03-8R2	8.2	K	0.017	9.89	8R2K
AIAP-03-100	10	K	0.019	8.70	100K
AIAP-03-120	12	K	0.020	8.21	120K
AIAP-03-150	15	K	0.022	7.34	150K
AIAP-03-180	18	K	0.023	6.64	180K
AIAP-03-220	22	K	0.026	6.07	220K
AIAP-03-270	27	K	0.027	5.36	270K
AIAP-03-330	33	K	0.032	4.83	330K
AIAP-03-390	39	K	0.033	4.36	390K
AIAP-03-470	47	K	0.035	3.98	470K
AIAP-03-560	56	K	0.037	3.66	560K
AIAP-03-680	68	K	0.047	3.31	680K
AIAP-03-820	82	K	0.060	3.10	820K
AIAP-03-101	100	K	0.090	2.79	101K
AIAP-03-121	120	K	0.113	2.54	121K
AIAP-03-151	150	K	0.129	2.22	151K
AIAP-03-181	180	K	0.150	1.98	181K
AIAP-03-221	220	K	0.162	1.89	221K
AIAP-03-271	270	K	0.208	1.63	271K
AIAP-03-331	330	K	0.212	1.51	331K
AIAP-03-391	390	K	0.281	1.39	391K
AIAP-03-471	470	K	0.380	1.24	471K
AIAP-03-561	560	K	0.420	1.17	561K
AIAP-03-681	680	K	0.548	1.050	681K
AIAP-03-821	820	K	0.655	0.970	821K
AIAP-03-102	1000	K	0.844	0.870	102K
AIAP-03-122	1200	K	1.04	0.790	122K
AIAP-03-152	1500	K	1.18	0.700	152K
AIAP-03-182	1800	K	1.56	0.640	182K
AIAP-03-222	2200	K	2.00	0.580	222K
AIAP-03-272	2700	K	2.06	0.530	272K
AIAP-03-332	3300	K	2.63	0.470	332K
AIAP-03-392	3900	K	2.75	0.430	392K
AIAP-03-472	4700	K	3.19	0.390	472K
AIAP-03-562	5600	K	3.92	0.359	562K
AIAP-03-682	6800	K	5.69	0.322	682K
AIAP-03-822	8200	K	6.32	0.293	822K
AIAP-03-103	10000	K	7.30	0.266	103K
AIAP-03-123	12000	K	10.0	0.257	123K
AIAP-03-153	15000	K	11.2	0.230	153K

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

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ABRACON IS
ISO9001-2015
CERTIFIED

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RoHS/RoHS II Compliant



22.9 x ϕ11.4mm

Test Conditions and equipments
Test frequency: 1kHz 0.25Vrms
I_{DC}: 10% inductance drops typical

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

Storage Temperature
-40°C ~ +125 °C

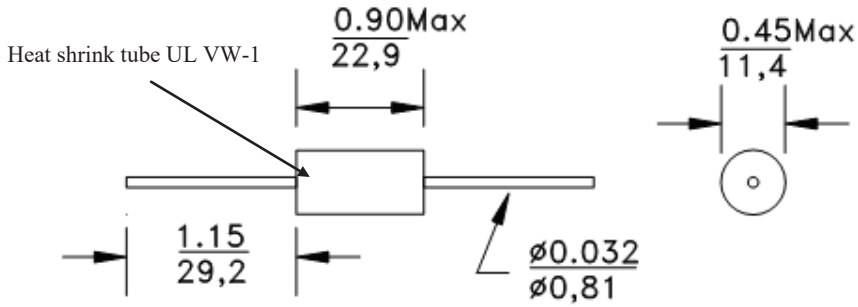
PART NUMBER IDENTIFICATION

AIAP-03- ☐ ☐

Packing (100pcs / box)

Inductance Code	Tolerance
Please refer to the table above	K: ±10%
	M: ±20%

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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