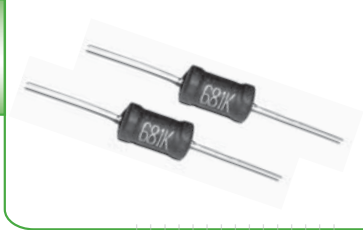


THRU-HOLE AXIAL POWER INDUCTORS

AIAP-04, AIAP-05 SERIES



FEATURES:

- Ferrite core with UL tube
- Wire wound construction

OPTIONS:

- Bulk Pack is standard
- Ammo Pack available

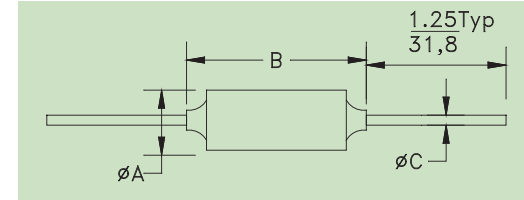
APPLICATIONS:

- Electronic Appliance
- Automotive system

STANDARD SPECIFICATIONS:

Part No. AIAP-04	L (μ H)	I _{DC} (A Max)	R _{DC} (Ω Max)	A Max	B Max	C Typical
500-2.5	50	2.5	0.120	0.475/12,07	0.800/20,32	0.032/0,81
101-2.1	100	2.1	0.160	0.475/12,07	0.800/20,32	0.032/0,81
251-1.8	250	1.8	0.280	0.475/12,07	1.050/26,67	0.032/0,81
501-1.6	500	1.6	0.420	0.550/13,97	1.050/26,67	0.032/0,81
102-1.4	1000	1.4	0.600	0.550/13,97	1.175/29,85	0.032/0,81
270-3.7	27	3.7	0.060	0.500/12,70	0.800/20,32	0.032/0,81
500-3.1	50	3.1	0.085	0.500/12,70	0.800/20,32	0.032/0,81
101-2.7	100	2.7	0.120	0.500/12,70	0.920/23,37	0.032/0,81
251-2.4	250	2.4	0.200	0.600/15,24	0.920/23,37	0.032/0,81
501-2.3	500	2.3	0.320	0.750/19,05	1.050/26,67	0.032/0,81
50-6.8	5	6.8	0.015	0.475/12,07	0.800/20,32	0.032/0,81
100-6.1	10	6.1	0.021	0.475/12,07	0.920/23,37	0.032/0,81
270-4.8	27	4.8	0.040	0.550/13,97	0.800/20,32	0.032/0,81
500-4.3	50	4.3	0.050	0.550/13,97	0.920/23,37	0.032/0,81
880-2.5	88	2.5	0.035	0.550/13,97	0.920/23,37	0.032/0,81
101-4.2	100	4.2	0.070	0.550/13,97	1.175/29,85	0.032/0,81
50-9.3	5	9.3	0.010	0.475/12,07	1.050/26,67	0.040/1,02
100-8.3	10	8.3	0.015	0.475/12,07	1.050/26,67	0.040/1,02
270-6.5	27	6.5	0.030	0.700/17,78	1.050/26,67	0.040/1,02
500-6.1	50	6.1	0.040	0.700/17,78	1.050/26,67	0.040/1,02
101-5.9	100	5.9	0.060	0.700/17,78	1.300/33,02	0.040/1,02

PHYSICAL CHARACTERISTICS:



- UL Polyolefin Tubing, 2,500 VRMS isolation
 - Operating Temp: -55°C to 125°C
 - Lp measure at 10 KHz 0.1VRMS.
 - Tolerance: J=±5%, K=±10%, L=±15%, M=20%
 - Add tolerance after the part no.
 - Check SCD for detail E&M specification
 - Marking: Inductance value and tolerance
- Note: All specifications subject to change without notice

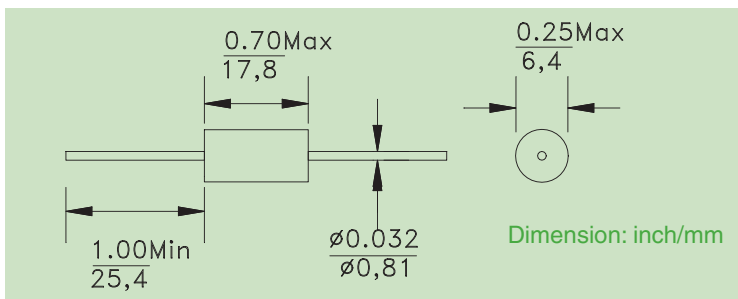
Dimension: inch/mm

Part Number AIAP-05-	L (μ H) ±10%	R _{DC} Max (Ω)	I _{DC} Max (A)
3R9	3.9	0.019	3.60
4R7	4.7	0.027	3.30
5R6	5.6	0.024	3.00
6R8	6.8	0.026	2.70
8R2	8.2	0.028	2.50
100	10	0.033	2.30
120	12	0.037	2.10
150	15	0.040	1.90
180	18	0.044	1.70
220	22	0.050	1.50
270	27	0.058	1.40
330	33	0.075	1.30
390	39	0.094	1.20
470	47	0.109	1.10
560	56	0.140	0.97

Part Number AIAP-05-	L (μ H) ±10%	R _{DC} Max (Ω)	I _{DC} Max (A)
680	68	0.145	0.88
820	82	0.152	0.80
101	100	0.208	0.73
121	120	0.283	0.66
151	150	0.340	0.60
181	180	0.362	0.54
221	220	0.430	0.49
271	270	0.557	0.45
331	330	0.665	0.40
391	390	0.772	0.37
471	470	1.150	0.34
561	560	1.270	0.31
681	680	1.61	0.280
821	820	1.96	0.260
102	1000	2.30	0.230

Part Number AIAP-05-	L (μ H) ±10%	R _{DC} Max (Ω)
122	1200	2.65
152	1500	3.45
182	1800	4.03
222	2200	4.48
272	2700	5.90
332	3300	6.56
392	3900	8.63
472	4700	10.5
562	5600	13.9
682	6800	16.3
822	8200	20.8
103	10000	26.4
123	12000	29.9
153	15000	42.5
183	18000	48.3

PHYSICAL CHARACTERISTICS:



- Lp measured @ 1KHz, 0.1VRMS
- Add K for 10% tolerance
- Coils finished with 135°C polyolefin sleeving
- Marking: Inductance value and tolerance
- Operating Temperature: -55°C to +130°C
- 5% inductance drop typical from initial value @ IDC
- Add -AMMO for AMMO-PACK

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