

THRU-HOLE AXIAL POWER INDUCTORS

AIAP-02, AIAP-03 SERIES



FEATURES:

- Ferrite core with heat shrink tube
- Wire wound construction

OPTIONS:

- Bulk Pack is standard
- Ammo Pack available

APPLICATIONS:

- Electronic Appliance
- Automotive system

STANDARD SPECIFICATIONS:

Part Number AIAP-02	L (μH) ±10%	R _{DC} Max (Ω)	I _{DC} Max (A)
3R9	3.9	0.019	7.3
4R7	4.7	0.022	6.3
5R6	5.6	0.024	5.6
6R8	6.8	0.026	5.3
8R2	8.2	0.028	4.5
100	10	0.033	4.1
120	12	0.037	3.6
150	15	0.040	3.3
180	18	0.044	3.0
220	22	0.050	2.7
270	27	0.056	2.5
330	33	0.076	2.2
390	39	0.094	2.0
470	47	0.109	1.8
560	56	0.131	1.7

Part Number AIAP-02	L (μH) ±10%	R _{DC} Max (Ω)	I _{DC} Max (A)
680	68	0.142	1.5
820	82	0.152	1.4
101	100	0.208	1.2
121	120	0.283	1.1
151	150	0.340	1.0
181	180	0.362	0.95
221	220	0.430	0.86
271	270	0.557	0.77
331	330	0.655	0.70
391	390	0.772	0.64
471	470	1.15	0.59
561	560	1.27	0.54
681	680	1.61	0.49
821	820	1.96	0.44
102	1000	2.30	0.40

Part Number AIAP-02	L (μH) ±10%	R _{DC} Max (Ω)	I _{DC} Max (A)
122	1200	2.65	0.35
152	1500	3.45	0.33
182	1800	4.03	0.29
222	2200	4.48	0.27
272	2700	5.40	0.24
332	3300	6.56	0.22
392	3900	8.63	0.20
472	4700	9.66	0.18
562	5600	13.9	0.17
682	6800	16.3	0.15
822	8200	20.8	0.14
103	10000	26.4	0.14
123	12000	29.9	0.11
153	15000	42.5	0.10
183	18000	48.3	0.09

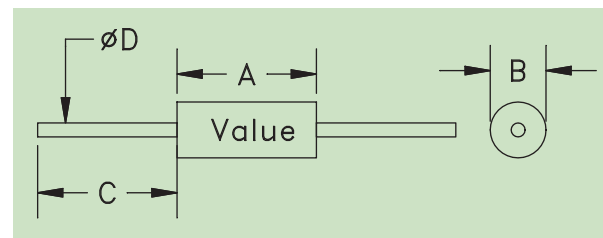
Part Number AIAP-03	L (μH) ±10%	R _{DC} Max (Ω)	I _{DC} Max (A)
3R9	3.9	0.007	15.5
4R7	4.7	0.008	13.9
5R6	5.6	0.011	12.6
6R8	6.8	0.013	11.6
8R2	8.2	0.017	9.89
100	10	0.019	8.70
120	12	0.000	8.21
150	15	0.022	7.34
180	18	0.023	6.64
220	22	0.026	6.07
270	27	0.027	5.36
330	33	0.032	4.83
390	39	0.033	4.36
470	47	0.035	3.98
560	56	0.037	3.66
680	68	0.047	3.31
820	82	0.060	3.10
101	100	0.090	2.79

Part Number AIAP-03	L (μH) ±10%	R _{DC} Max (Ω)	I _{DC} Max (A)
121	120	0.113	2.54
151	150	0.129	2.22
181	180	0.150	1.98
221	220	0.162	1.89
271	270	0.208	1.63
331	330	0.212	1.51
391	390	0.281	1.39
471	470	0.380	1.24
561	560	0.420	1.17
681	680	0.548	1.05
821	820	0.655	0.97
102	1000	0.844	0.87
122	1200	1.04	0.79
152	1500	1.18	0.70
182	1800	1.56	0.64
222	2200	2.00	0.58
272	2700	2.06	0.53
332	3300	2.63	0.47

Part Number AIAP-03	L (μH) ±10%	R _{DC} Max (Ω)	I _{DC} Max (A)
392	3900	2.75	0.430
472	4700	3.19	0.390
562	5600	3.92	0.359
682	6800	5.69	0.322
822	8200	6.32	0.293
103	10000	7.30	0.266
123	12000	10.0	0.257
153	15000	11.2	0.230
183	18000	15.2	0.210
223	22000	16.8	0.190
273	27000	18.6	0.171
333	33000	26.7	0.155
393	39000	29.0	0.143
473	47000	31.8	0.131
563	56000	42.6	0.119
683	68000	46.9	0.108
823	82000	64.9	0.099
104	100000	71.7	0.098
124	120000	37.0	0.070

PHYSICAL CHARACTERISTICS:

- Operating Temperature: -45°C to +85°C
 - Wrap with UL heat shrink tube
 - Add -K for Lp tolerance ±10%
 - Lp measures at 100KHz, 0.1VRMS
 - Check SCD for detail E&M specification
- Note: All specifications subject to change without notice.



	AIAP-02	AIAP-03
A Max	0.55 (14,0)	0.375 (9,53)
B Max	0.26 (6,6)	0.13±0.010 (3,30±0,25)
C Typ	1.15 (29,2)	1.15 (29,2)
D	0.032 (0,81)	0.032 (0,81)

DIMENSION: inch/(mm)

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