

# MULTILAYER FERRITE CHIP INDUCTORS



## AIML-0805, AIML-1206 SERIES

### FEATURES:

- Ferrite base
- High SRF and Q

### OPTIONS:

- Tape & Reel is standard
- Other tolerance available

### APPLICATIONS:

- Wireless application
- Digital equipment

### STANDARD SPECIFICATIONS:

Part Number AIML-0805	L (μH)	Q Min	L.Q Test Freq (MHz)	SRF Min (MHz)	R <sub>DC</sub> Max (Ω)	I <sub>RATE</sub> Max (mA)
R047M	0.047	15	50	320	0.20	300
R068M	0.068	15	50	280	0.20	300
R082M	0.082	15	50	255	0.20	300
R10K	0.10	20	25	235	0.30	250
R12K	0.12	20	25	220	0.30	250
R15K	0.15	20	25	200	0.40	250
R18K	0.18	20	25	185	0.40	250
R22K	0.22	20	25	170	0.50	250
R27K	0.27	20	25	150	0.50	250
R33K	0.33	20	25	145	0.55	250
R39K	0.39	25	25	135	0.65	200
R47K	0.47	25	25	125	0.65	200
R56K	0.56	25	25	115	0.75	150
R68K	0.68	25	25	105	0.80	150
R82K	0.82	25	25	100	1.00	150
1R0K	1.0	45	10	75	0.40	50
1R2K	1.2	45	10	65	0.50	50
1R5K	1.5	45	10	60	0.50	50
1R8K	1.8	45	10	55	0.60	50
2R2K	2.2	45	10	50	0.65	30
2R7K	2.7	45	10	45	0.75	30
3R3K	3.3	45	10	41	0.80	30
3R9K	3.9	45	10	38	0.90	30
4R7K	4.7	45	10	35	1.00	30
5R6K	5.6	50	4	32	0.90	15
6R8K	6.8	50	4	29	1.00	15
8R2K	8.2	50	4	26	1.10	15
100K	10	50	2	24	1.15	15
120K	12	50	2	22	1.25	15
150K	15	30	1	19	0.80	5
180K	18	30	1	18	0.90	5
220K	22	30	1	16	1.10	5
270K	27	30	1	14	1.15	5
330K	33	30	1	13	1.25	5
390K	39	35	2	8.0	2.90	4

Part Number AIML-1206	L (μH)	Q Min	L.Q Test Freq (MHz)	SRF Min (MHz)	R <sub>DC</sub> Max (Ω)	I <sub>RATE</sub> Max (mA)
R047M	0.047	20	50	320	0.15	300
R068M	0.068	20	50	280	0.25	300
R10K	0.10	20	50	235	0.25	250
R12K	0.12	20	25	220	0.30	250
R15K	0.15	20	25	200	0.30	250
R18K	0.18	20	25	185	0.40	250
R22K	0.22	20	25	170	0.40	250
R27K	0.27	20	25	150	0.50	250
R33K	0.33	20	25	145	0.60	250
R39K	0.39	25	25	135	0.50	200
R47K	0.47	25	25	125	0.60	200
R56K	0.56	25	25	115	0.70	150
R68K	0.68	25	25	105	0.80	150
R82K	0.82	25	25	100	0.90	150
1R0K	1.0	45	10	75	0.40	100
1R2K	1.2	45	10	65	0.50	100
1R5K	1.5	45	10	60	0.50	50
1R8K	1.8	45	10	55	0.50	50
2R2K	2.2	45	10	50	0.60	50
2R7K	2.7	45	10	45	0.60	50
3R3K	3.3	45	10	41	0.70	50
3R9K	3.9	45	10	38	0.80	50
4R7K	4.7	45	10	35	0.90	50
5R6K	5.6	40	4	32	0.70	25
6R8K	6.8	40	4	29	0.80	25
8R2K	8.2	40	4	26	0.90	25
100K	10	50	2	24	1.00	25
120K	12	50	2	22	1.05	15
150K	15	35	1	19	0.70	5
180K	18	35	1	18	0.70	5
220K	22	35	1	16	0.90	5
270K	27	35	1	14	0.90	5
330K	33	35	1	13	1.05	5
390K	39	40	2	11	3.00	5
470K	47	40	2	10	3.40	5
560K	56	40	2	9.5	3.80	4
680K	68	40	1	9.5	3.00	4
820K	82	40	1	9.0	3.40	4
101K	100	40	1	8.0	3.80	4
121K	120	30	0.4	6.0	3.00	2
151K	150	30	0.4	5.5	3.40	2
181K	180	30	0.4	5.0	3.80	2
221K	220	30	0.4	4.5	4.20	2

### PHYSICAL CHARACTERISTICS:



- Ordering Code: AIML-XXXX(Size)-RXXX(Value)-(J)(K)(M)-T(T&R)
- Tolerance: J=±5%, K=±10%, M=±20%
- Letter suffix indicates standard tolerance
- See Source Control Drawing ( SCD ) for detail E&M performance
- Operating Temperature: -40°C to +125°C

Note: All specifications subject to change without notice.

	AIML-0805	AIML-1206
Length (L)	0.079±0.008 (2,00±0,20)	0.125±0.008 (3,20±0,20)
Width (W)	0.049±0.008 (1,25±0,20)	0.063±0.008 (1,60±0,20)
Thickness (T)	0.033±0.008 (0,085±0,020)	0.024±0.008 (0,80±0,20)
Termination (BW)	0.02±0.012 (0,50±0,30)	0.020±0.012 (0,50±0,30)

### TAPE & REEL: Tape and reel 4,000pcs/reel

**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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