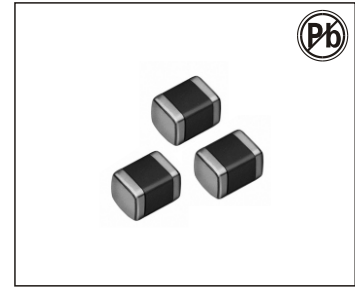


SURFACE-MOUNT MULTI-LAYER FERRITE CHIP INDUCTORS

AIML-1206 SERIES



FEATURES:

- Compact size and light weight
- Excellent solderability and heat resistance for either flow or reflow soldering
- No cross coupling between inductors due to magnetic shield

COMMON APPLICATIONS:

- Resonance circuit, traps, filter circuits
- RF choke in telecommunications equipment, cordless phones, radio equipment

ELECTRICAL CHARACTERISTICS:

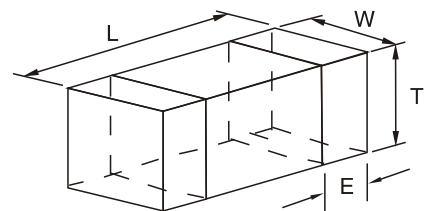
Part Number	L(μH) ± 10%	Q Min	L/Q Tset Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AIML1206-47NK	0.047	30	50	320	0.15	300
AIML1206-56NK	0.056	30	50	320	0.20	300
AIML1206-68NK	0.068	30	50	280	0.25	300
AIML1206-82NK	0.082	30	50	280	0.25	300
AIML1206-R10K	0.10	25	25	235	0.25	250
AIML1206-R12K	0.12	25	25	220	0.25	250
AIML1206-R15K	0.15	25	25	200	0.25	250
AIML1206-R18K	0.18	25	25	185	0.30	250
AIML1206-R22K	0.22	25	25	170	0.30	250
AIML1206-R27K	0.27	25	25	150	0.30	250
AIML1206-R33K	0.33	25	25	145	0.30	250
AIML1206-R39K	0.39	30	25	135	0.50	200
AIML1206-R47K	0.47	30	25	125	0.50	200
AIML1206-R56K	0.56	30	25	115	0.50	150
AIML1206-R68K	0.68	30	25	105	0.50	150
AIML1206-R82K	0.82	30	25	100	0.60	150
AIML1206-1R0K	1.0	35	10	75	0.30	100
AIML1206-1R2K	1.2	35	10	65	0.40	100
AIML1206-1R5K	1.5	35	10	60	0.40	50
AIML1206-1R8K	1.8	35	10	55	0.40	50
AIML1206-2R2K	2.2	35	10	50	0.50	50
AIML1206-2R7K	2.7	35	10	45	0.50	50
AIML1206-3R3K	3.3	35	10	41	0.50	50
AIML1206-3R9K	3.9	35	10	38	0.60	50
AIML1206-4R7K	4.7	35	10	35	0.65	25
AIML1206-5R6K	5.6	35	4	32	0.80	25
AIML1206-6R8K	6.8	35	4	29	0.80	25
AIML1206-8R2K	8.2	35	4	26	0.80	25
AIML1206-100K	10	35	2	24	0.80	25
AIML1206-120K	12	35	2	22	0.90	15
AIML1206-150K	15	30	1	19	1.00	5
AIML1206-180K	18	30	1	18	1.00	5
AIML1206-220K	22	30	1	16	1.20	5
AIML1206-270K	27	30	1	14	1.20	5
AIML1206-330K	33	30	1	13	1.30	5
AIML1206-390K	39	30	1	13	1.30	5
AIML1206A-470K	47	30	1	12	1.60	5
AIML1206A-560M	56 ± 20%	30	1	12	1.80	5
AIML1206A-680M	68 ± 20%	30	1	11	2.00	5
AIML1206A-820M	82 ± 20%	30	1	11	2.40	5
AIML1206A-101M	100 ± 20%	30	1	8	3.00	5

TECHNICAL INFORMATION:

- Testing:(Equivalent acceptable)
Inductance & Q-HP4195A+HP41951
DCR:VOAC-7412
SRF:HP8753C
- Solderability:75% of the terminal electrode shall be covered
Preheat:@ 180°C ± 5°C for 2-3 minutes
Solder temperature:230°C for 4 seconds ± 1 second Flux:Emersion into methanol solution with Colophony for 3 to 5 seconds.
- IDC:The DC current at which tither the initial L value is decreased by 5% with the application of DC bias or the value of current at which the temperature of the element is increased by 20°C
- Operating Temperature: -25°C to +85°C
- Storage Temperature: -25°C to +85°C

PHYSICAL CHARACTERISTICS:

Dimensions:(mm)



L	3.2 ± 0.2	
W	1.6 ± 0.2	
T	(1206) 0.9 ± 0.2	(1206A) 1.1 ± 0.2
E	0.5 ± 0.3	