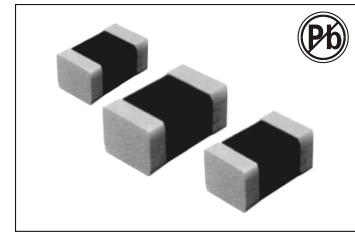


# SURFACE-MOUNT MULTI-LAYER CHIP INDUCTORS

## AIML-1206 SERIES



### FEATURES:

- Multilayer Ferrite structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

### OPTIONS:

- Packaging:Tape & Reel is standard (Qty:4000pcs)
- Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

### COMMON APPLICATIONS:

- VCRs
- Mobile Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

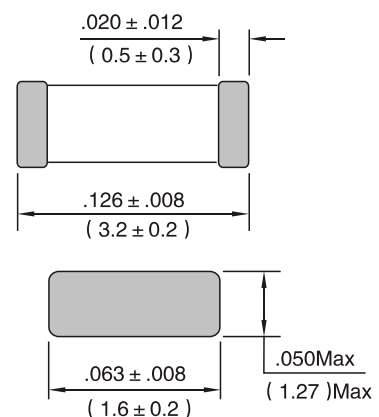
### ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
AIML-1206-47NM	47nH	± 20	30	320	0.15	300	50
AIML-1206-56NM	56nH	± 20	30	320	0.20	300	50
AIML-1206-68NM	68nH	± 20	30	280	0.25	300	50
AIML-1206-82NN	82nH	± 20	30	280	0.25	300	50
AIML-1206-R10K	.10	± 20	30	235	0.25	250	25
AIML-1206-R12K	.12	± 20	30	220	0.30	250	25
AIML-1206-R15K	.15	± 20	30	200	0.30	250	25
AIML-1206-R18K	.18	± 20	30	185	0.40	250	25
AIML-1206-R22K	.22	± 20	30	170	0.40	250	25
AIML-1206-R27K	.27	± 20	30	150	0.50	250	25
AIML-1206-R33K	.33	± 20	30	145	0.50	250	25
AIML-1206-R39K	.39	± 20	35	135	0.60	200	25
AIML-1206-R47K	.47	± 20	35	125	0.60	200	25
AIML-1206-R56K	.56	± 20	35	115	0.70	150	25
AIML-1206-R68K	.68	± 20	30	105	0.80	150	25
AIML-1206-R82K	.82	± 20	35	100	0.90	150	25
AIML-1206-1R0K	1.0	± 10	50	75	0.40	100	10
AIML-1206-1R2K	1.2	± 10	50	65	0.50	100	10
AIML-1206-1R5K	1.5	± 10	50	60	0.50	50	10
AIML-1206-1R8K	1.8	± 10	50	55	0.50	50	10
AIML-1206-2R2K	2.2	± 10	50	50	0.60	50	10
AIML-1206-2R7K	2.7	± 10	50	45	0.60	50	10
AIML-1206-3R3K	3.3	± 10	50	41	0.70	50	10
AIML-1206-3R9K	3.9	± 10	50	38	0.80	50	10
AIML-1206-4R7K	4.7	± 10	50	35	0.90	25	10
AIML-1206-5R6K	5.6	± 10	50	32	0.70	25	4
AIML-1206-6R8K	6.8	± 10	50	29	0.80	25	4
AIML-1206-8R2K	8.2	± 10	50	26	0.90	25	4
AIML-1206-100K	10	± 10	50	24	1.00	25	2
AIML-1206-120K	12	± 10	50	22	1.05	15	2
AIML-1206-150K	15	± 10	35	19	0.70	5	1
AIML-1206-180K	18	± 10	35	18	0.70	5	1
AIML-1206-220K	22	± 10	35	16	0.90	5	1
AIML-1206-270K	27	± 10	35	14	0.90	5	1
AIML-1206-330K	33	± 10	35	13	1.05	5	1
AIML-1206-390K	39	± 10	40	13	1.2	5	1
AIML-1206-470K	47	± 10	40	12	1.4	5	1
AIML-1206-560K	56	± 10	40	12	1.6	5	1
AIML-1206-680K	68	± 10	40	11	1.8	5	1
AIML-1206-820K	82	± 10	40	11	2.2	5	1
AIML-1206-101K	100	± 10	40	9	2.6	5	1
AIML-1206-121K	120	± 10	30	9	2.9	5	1

### TECHNICAL INFORMATION:

- Testing:(Equivalent acceptable) Inductance & Q-HP4195A+HP41951  
DCR:VOAC-7412  
SRF:HP8753C
- Solderability:90% of the terminal electrode shall be covered  
Preheat:@ 260°C ± 5°C for 160 seconds  
Solder:H63AA Eutectic Solder  
Flux:Rosin,Dip for 5 seconds ± 1 second
- Thermal Shock: Inductance shall be within ± 5% of initial value and Q shall be within ± 30% of initial value when temperature is -40°C and +85°C for 30 min.for each 100 cycles
- Operating Temperature:-25°C to +85°C
- Storage Temperature: -40°C to +85°C

### PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

Note:1. K= ± 10%,M= ± 20%,N= ± 30%