AIML–1206 SERIES

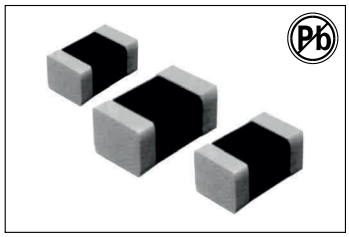
SURFACE–MOUNT MULTI–LAYER CHIP INDUCTORS

FEATURES:

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

COMMON APPLCATIONS:

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



ELECTRICAL CHARACTERISTICS:

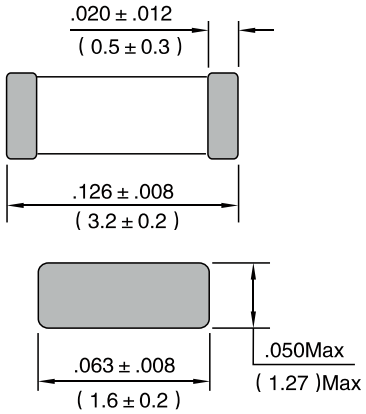
Part Number	L (μH)	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
AIML–1206–47NM	47nH	± 20	30	320	0.15	300	50
AIML–1206–56NM	56nH	± 20	30	320	0.20	300	50
AIML–1206–68NM	68nH	± 20	30	280	0.25	300	50
AIML–1206–82NN	82nH	± 20	30	280	0.25	300	50
AIML–1206–R10K	.10	± 20	30	235	0.25	250	25
AIML–1206–R12K	.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

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing: (Equivalents acceptable)
  Impedance & 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 10 seconds ±1 second
- Thermal Shock: Impedance shall be within ± 5% of initial value
  and Q shall be within ±30% of initial value
  when temperaturs is -40°C and +85°C for 30 min. for each 100 cycles
- Operating Temperature: -25 °C to +85 °C
- Storage Temperature: -25 °C to +85 °C

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

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