

SURFACE-MOUNT MULTI-LAYER CHIP INDUCTORS

AIML-1210 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 APPLCATIONS:

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

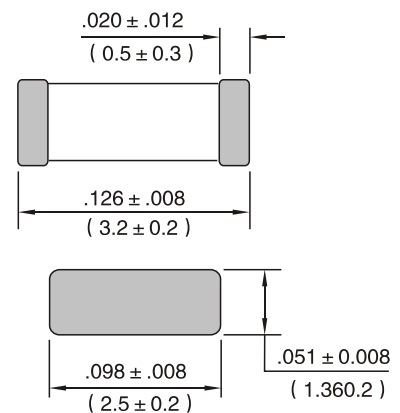
ELECTRICAL CHARACTERISTICS:

Part Number	L (μ H)	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
AIML-1210-1R0K	1.0	± 10	50	320	0.15	600	10
AIML-1210-1R2K	1.2	± 10	50	280	0.25	600	10
AIML-1210-1R5K	1.5	± 10	50	235	0.25	500	10
AIML-1210-1R8K	1.8	± 10	50	220	0.30	500	10
AIML-1210-2R2K	2.2	± 10	50	200	0.30	500	10
AIML-1210-2R7K	2.7	± 10	50	185	0.40	500	10
AIML-1210-3R3K	3.3	± 10	50	170	0.40	500	10
AIML-1210-3R9K	3.9	± 10	50	150	0.50	500	10
AIML-1210-4R7K	4.7	± 10	50	145	0.60	500	10
AIML-1210-5R6K	5.6	± 10	50	135	0.50	450	4
AIML-1210-6R8K	6.8	± 10	50	125	0.60	450	4
AIML-1210-8R2K	8.2	± 10	50	115	0.70	400	4
AIML-1210-100K	10	± 10	50	105	0.80	400	2
AIML-1210-120K	12	± 10	50	100	0.90	400	2
AIML-1210-150K	15	± 10	50	75	1.00	300	1
AIML-1210-180K	18	± 10	50	65	1.10	300	1
AIML-1210-220K	22	± 10	50	60	1.10	250	1
AIML-1210-270K	27	± 10	50	55	1.10	250	1
AIML-1210-330K	33	± 10	50	50	1.20	250	1
AIML-1210-390K	39	± 10	50	45	1.20	250	1
AIML-1210-470K	47	± 10	50	41	1.25	200	1
AIML-1210-560K	56	± 10	50	38	1.3	200	1
AIML-1210-680K	68	± 10	50	35	1.4	150	1
AIML-1210-820K	82	± 10	50	32	1.5	150	1
AIML-1210-101K	100	± 10	50	29	1.6	150	1
AIML-1210-121K	120	± 10	50	26	1.7	150	1
AIML-1210-151K	150	± 10	50	24	1.75	100	1
AIML-1210-181K	180	± 10	50	22	1.8	100	1
AIML-1210-221K	220	± 10	50	19	1.9	50	1
AIML-1210-271K	270	± 10	50	18	2.0	50	1
AIML-1210-331K	330	± 10	50	16	2.1	50	1

TECHNICAL INFORMATION:

- Testing:(Equivalentents acceptable)
Inductance & Q-HP4195A+HP41951
DCR:VOAC-7412
SRF:HP8753C
- Solderability:90% of the terminal electrode shall be covered
Preheat:@ 260°C \pm 5°C for 160 seconds
Solder:H63AA Eutectic Solder
Flux:Rosin,Dip for 5 seconds \pm 1 second
- Thermal Shock: Inductance shall be within \pm 5% of imital value and Q shall be within \pm 30% of initial value when temperaturis 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= \pm 10%,M= \pm 20%,N= \pm 30%