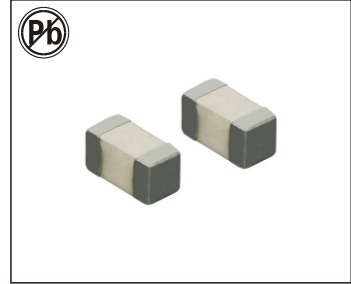


SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

AIML-0402C SERIES



FEATURES:

- Multilayer monolithic construction yields high reliability
- High self-resonant frequency
- Excellent solderability and heat resistance for either flow or reflow soldering

COMMON APPLICATIONS:

- High frequency circuits of telecommunication.
- Bluetooth
- Mobile phones such as GSM, CDMA, PDC, etc.
- Other High frequency circuits in general

ELECTRICAL CHARACTERISTICS:

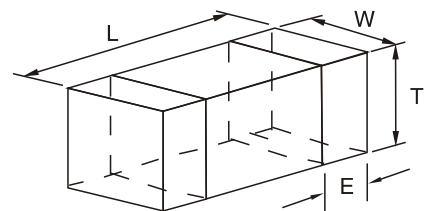
Part Number	L(nH) ± 10%	Q Min	L/Q Tset Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AIML0402C-1N0S	1.0 ± 0.3	7	100	10000	0.1	400
AIML0402C-1N1S	1.1 ± 0.3	7	100	10000	0.1	400
AIML0402C-1N2S	1.2 ± 0.3	7	100	10000	0.1	400
AIML0402C-1N3S	1.3 ± 0.3	7	100	10000	0.1	400
AIML0402C-1N5S	1.5 ± 0.3	7	100	6000	0.1	300
AIML0402C-1N6S	1.6 ± 0.3	7	100	6000	0.1	300
AIML0402C-1N8S	1.8 ± 0.3	7	100	6000	0.1	300
AIML0402C-2N0S	2.0 ± 0.3	7	100	6000	0.2	300
AIML0402C-2N2S	2.2 ± 0.3	7	100	6000	0.2	300
AIML0402C-2N4S	2.4 ± 0.3	7	100	6000	0.2	300
AIML0402C-2N7S	2.7 ± 0.3	7	100	6000	0.2	300
AIML0402C-3N0S	3.0 ± 0.3	7	100	6000	0.2	300
AIML0402C-3N3S	3.3 ± 0.3	7	100	6000	0.2	300
AIML0402C-3N6S	3.6 ± 0.3	7	100	4000	0.2	300
AIML0402C-3N9S	3.9 ± 0.3	7	100	4000	0.2	300
AIML0402C-4N3S	4.3 ± 0.3	7	100	4000	0.2	300
AIML0402C-4N7S	4.7 ± 0.3	7	100	4000	0.2	300
AIML0402C-5N1S	5.1 ± 0.3	7	100	4000	0.3	300
AIML0402C-5N6S	5.6 ± 0.3	7	100	4000	0.3	300
AIML0402C-6N2S	6.2 ± 0.3	7	100	3900	0.3	300
AIML0402C-6N8J	6.8 ± 5%	7	100	3900	0.3	300
AIML0402C-7N5J	7.5 ± 5%	7	100	3700	0.4	300
AIML0402C-8N2J	8.2 ± 5%	7	100	3600	0.4	300
AIML0402C-9N1J	9.1 ± 5%	7	100	3400	0.4	300
AIML0402C-10NJ	10 ± 5%	7	100	3200	0.4	300
AIML0402C-12NJ	12 ± 5%	8	100	2700	0.5	300
AIML0402C-15NJ	15 ± 5%	8	100	2300	0.5	300
AIML0402C-18NJ	18 ± 5%	8	100	2100	0.6	300
AIML0402C-20NJ	20 ± 5%	8	100	2000	0.6	300
AIML0402C-22NJ	22 ± 5%	8	100	1900	0.6	300
AIML0402C-27NJ	27 ± 5%	8	100	1600	0.7	300
AIML0402C-33NJ	33 ± 5%	8	100	1300	0.8	200
AIML0402C-39NJ	39 ± 5%	8	100	1200	1.0	200
AIML0402C-47NJ	47 ± 5%	8	100	1100	1.1	200
AIML0402C-56NJ	56 ± 5%	8	100	750	1.2	200
AIML0402C-68NJ	68 ± 5%	8	100	750	1.4	180
AIML0402C-82NJ	82 ± 5%	8	100	750	2.4	150
AIML0402C-R10J	100 ± 5%	8	100	700	2.6	150
AIML0402C-R12J	120 ± 5%	8	100	600	2.8	150
AIML0402C-R15J	150 ± 5%	8	100	550	3.2	100
AIML0402C-R18J	180 ± 5%	8	100	500	3.7	100
AIML0402C-R22J	220 ± 5%	8	100	450	4.0	100

TECHNICAL INFORMATION:

- Testing:(Equivalent acceptable)
Inductance & Q-HP4195A+HP41951
DCR:VOAC-7412
SRF:HP8720C
- 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:(mm)



L	1.0 ± 0.15
W	0.5 ± 0.15
T	0.5 ± 0.15
E	0.25 ± 0.1