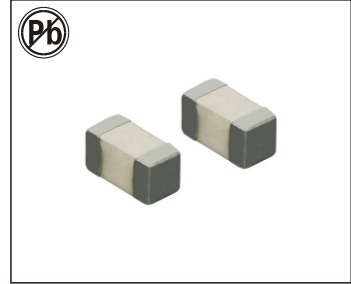


SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS AIML-0603C SERIES



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:

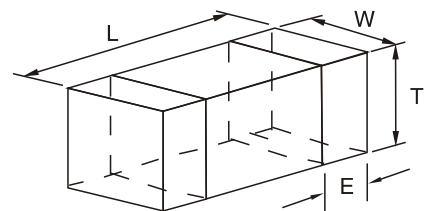
Part Number	L(nH) ± 10%	Q Min	L/Q Tset Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AIML0603C-1N0S	1.0 ± 0.3	8	100	10000	0.05	500
AIML0603C-1N2S	1.2 ± 0.3	8	100	10000	0.10	500
AIML0603C-1N5S	1.5 ± 0.3	8	100	10000	0.10	400
AIML0603C-1N8S	1.8 ± 0.3	8	100	9800	0.12	400
AIML0603C-2N2S	2.2 ± 0.3	8	100	7600	0.20	400
AIML0603C-2N7S	2.7 ± 0.3	8	100	7000	0.20	400
AIML0603C-3N3S	3.3 ± 0.3	8	100	6200	0.20	400
AIML0603C-3N9S	3.9 ± 0.3	8	100	5600	0.25	400
AIML0603C-4N7S	4.7 ± 0.3	8	100	4800	0.30	400
AIML0603C-5N6S	5.6 ± 0.3	8	100	4600	0.30	400
AIML0603C-6N8J	6.8 ± 5%	8	100	4200	0.35	400
AIML0603C-8N2J	8.2 ± 5%	8	100	3600	0.35	400
AIML0603C-10NJ	10 ± 5%	8	100	3200	0.40	300
AIML0603C-12NJ	12 ± 5%	8	100	2800	0.40	300
AIML0603C-15NJ	15 ± 5%	8	100	2600	0.45	300
AIML0603C-18NJ	18 ± 5%	8	100	2400	0.60	300
AIML0603C-22NJ	22 ± 5%	8	100	2000	0.60	300
AIML0603C-27NJ	27 ± 5%	8	100	1900	0.80	300
AIML0603C-33NJ	33 ± 5%	8	100	1600	0.80	300
AIML0603C-39NJ	39 ± 5%	8	100	1400	1.00	300
AIML0603C-47NJ	47 ± 5%	8	100	1200	1.00	200
AIML0603C-56NJ	56 ± 5%	8	100	1000	1.00	200
AIML0603C-68NJ	68 ± 5%	8	100	900	1.00	200
AIML0603C-82NJ	82 ± 5%	8	100	800	1.00	200
AIML0603C-R10J	100 ± 5%	8	100	700	1.40	200
AIML0603C-R12J	120 ± 5%	8	50	600	1.60	150
AIML0603C-R15J	150 ± 5%	8	50	500	1.80	150
AIML0603C-R18J	180 ± 5%	8	50	500	1.80	150
AIML0603C-R22J	220 ± 5%	8	50	350	2.40	150
AIML0603C-R27J	270 ± 5%	8	50	350	2.60	150
AIML0603C-R33J	330 ± 5%	8	50	350	2.80	150
AIML0603C-R39K	390 ± 10%	8	50	300	3.20	150
AIML0603C-R43K	430 ± 10%	8	50	280	3.40	150
AIML0603C-R47K	470 ± 10%	8	50	250	3.60	150

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	1.6 ± 0.2
W	0.8 ± 0.2
T	0.8 ± 0.2
E	0.3 ± 0.2