



# AIML0402C SERIES

## SMD Multilayer Ceramic Chip Inductor

### FEATURES

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

### OPTIONS

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

### APPLICATIONS

- Mobile Phone
- IoT
- Power Electronics
- Computer Networking
- GPS & Wireless RF Systems
- Computer Products
- Household Appliances

Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Ohm Max	IDC Max mA	Test Freq MHz
AIML-0402C-1N0	1	8	6000	0.1	300	100
AIML-0402C-1 N2	1.2	8	6000	0.1	300	100
AIML-0402C-1 N5	1.5	8	6000	0.1	300	100
AIML-0402C-1N8	1.8	8	6000	0.12	300	100
AIML-0402C-2N2	2.2	8	6000	0.16	300	100
AIML-0402C-2N7	2.7	8	6000	0.2	300	100
AIML-0402C-3N3	3.3	8	6000	0.22	300	100
AIML-0402C-3N9	3.9	8	4000	0.25	300	100
AIML-0402C-4N7	4.7	8	4000	0.28	300	100
AIML-0402C-5N6	5.6	8	4000	0.29	300	100
AIML-0402C-6N8	6.8	8	3900	0.35	300	100
AIML-0402C-8N2	8.2	8	3600	0.4	250	100
AIML-0402C-10N	10	8	3200	0.45	250	100
AIML-0402C-12N	12	8	2700	0.5	200	100
AIML-0402C-15N	15	8	2300	0.55	200	100
AIML-0402C-18N	18	8	2100	0.65	200	100
AIML-0402C-22N	22	8	1900	0.8	200	100
AIML-0402C-27N	27	8	1600	0.9	200	100
AIML-0402C-33N	33	8	1300	1.1	200	100
AIML-0402C-39N	39	8	1200	1.2	100	100
AIML-0402C-47N	47	8	1000	1.3	100	100
AIML-0402C-56N	56	8	750	1.4	100	100
AIML-0402C-68N	68	8	700	1.4	100	100
AIML-0402C-82N	82	8	600	1.6	100	100
AIML-0402C-R10	100	8	550	2	100	100

Note:1 . K= ± 1 0%,M= ± 20%,N= ± 30%

• Testing:(Equivalent acceptable) Inductance & Q-HP4195A+HP41951 DCR:VOAC-7412 SRF:HP8753C

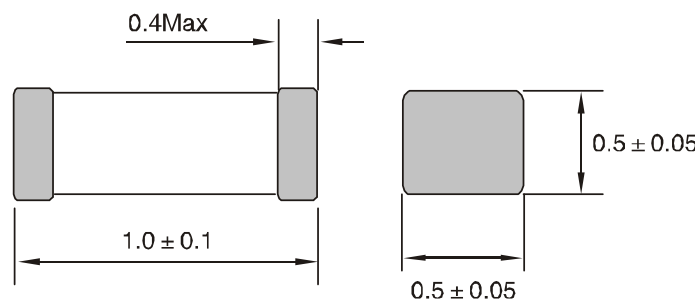
• Solderability:90% of the terminal Electrode shall be covered Preheat: 0 260t ± 5t for 160 seconds Solder:H63AA Eutectic Solder Flux:Rosin,Dip for 5 seconds ± 1 second

• Thermal Shock: Inductance shall be Within ± 5% of initial value and Q shall be within ± 30% of initial value When temperatur is -40t and +85t for 30 Min.for each 100 cycles

• Operating Temperature:-25°C to +85°C

• Storage Temperature: -40°C to +85°C

Dimensions: Inches (mm)



Note:All specifications subject to change without notice.