



# AIML0805C 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

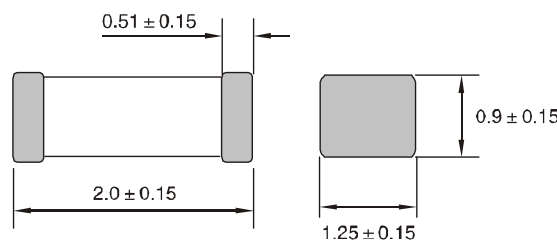
- Mobile Phone
- IoT
- Power Electronics
- Computer Networking
- GPS & Wireless RF Systems
- Computer Products
- Household Appliances

Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Ohm Max	IDC Max mA	Test Freq Mhz
AI ML-0805C-1N0	1	10	4000	0.1	300	100
AIML-0805C-1N2	1.2	10	4000	0.1	300	100
AIML-0805C-1N5	1.5	10	4000	0.1	300	100
AIML-0805C-1N8	1.8	10	4000	0.1	300	100
AIML-0805C-2N2	2.2	10	3800	0.1	300	100
AIML-0805C-2N7	2.7	10	3600	0.1	300	100
AIML-0805C-3N3	3.3	10	3400	0.13	300	100
AIML-0805C-3N9	3.9	10	3200	0.15	300	100
AIML-0805C-4N7	4.7	10	3000	0.2	300	100
AIML-0805C-5N6	5.6	10	2800	0.23	300	100
AIML-0805C-6N8	6.8	10	2600	0.25	300	100
AIML-0805C-8N2	8.2	10	2200	0.28	300	100
AIML-0805C-10N	10	10	1800	0.3	300	100
AIML-0805C-12N	12	10	1650	0.35	300	100
AIML-0805C-15N	15	10	1350	0.4	300	100
AIML-0805C-18N	18	10	1350	0.45	300	100
AIML-0805C-22N	22	15	1100	0.5	300	100
AIML-0805C-27N	27	15	1100	0.55	300	100
AIML-0805C-33N	33	15	1000	0.6	300	100
AIML-0805C-39N	39	15	900	0.65	300	100
AIML-0805C-47N	47	15	850	0.7	300	100
AIML-0805C-56N	56	15	750	0.75	300	100
AIML-0805C-68N	68	15	400	0.8	300	100
AIML-0805C-82N	82	15	600	0.9	300	100
AIML-0805C-R10	100	15	500	1	300	100
AIML-0805C-R12	120	15	450	1.3	250	100
AIML-0805C-R15	150	15	400	1.5	250	100
AIML-0805C-R18	180	15	350	1.8	250	100
AIML-0805C-R22	220	10	330	2	250	100
AIML-0805C-R27	270	10	300	2.5	250	100
AIML-0805C-R33	330	10	270	3	250	100
AIML-0805C-R39	390	10	220	3.5	250	100
AIML-0805C-R47	470	10	180	4	250	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.