



AIML0603C 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-0603C-1N2	1.2	40	6000	0.1	500	100
AIML-0603C-1N5	1.5	38	6000	0.1	500	100
AIML-0603C-1N8	1.8	36	6000	0.12	500	100
AIML-0603C-2N2	2.2	34	6000	0.16	500	100
AIML-0603C-2N7	2.7	32	6000	0.2	500	100
AIML-0603C-3N3	3.3	30	5700	0.22	500	100
AIML-0603C-3N9	3.9	32	5600	0.25	500	100
AIML-0603C-4N7	4.7	32	4800	0.28	500	100
AIML-0603C-5N6	5.6	32	4350	0.29	500	100
AIML-0603C-6N8	6.8	32	3750	0.3	500	100
AIML-0603C-8N2	8.2	28	3300	0.33	300	100
AIML-0603C-10N	10	31	2850	0.35	300	100
AIML-0603C-12N	12	30	2700	0.4	300	100
AIML-0603C-15N	15	26	2400	0.45	300	100
AIML-0603C-18N	18	25	2050	0.5	300	100
AIML-0603C-22N	22	30	1850	0.55	300	100
AIML-0603C-27N	27	26	1750	0.6	300	100
AIML-0603C-33N	33	24	1500	0.65	300	100
AIML-0603C-39N	39	20	1350	0.7	300	100
AIML-0603C-47N	47	18	1200	0.9	300	100
AIML-0603C-56N	56	14	1100	1	300	100
AIML-0603C-68N	68	18	1000	1.5	300	100
AIML-0603C-82N	82	18	900	2	300	100
AIML-0603C-R10	100	3	830	2.5	300	100

Note:1 . K= ± 1 0%,M= ± 20%,N= ± 30%

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

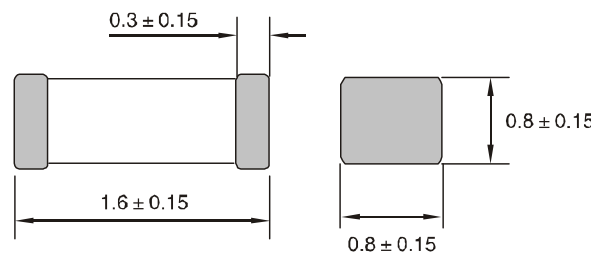
• Solderability:90% of the terminal Electrode shall be covered Preheat: 0 260t ± 5t for 160 seconds Solder:H63AA Eutectic Solder Flux:Rosin,Dip for 5 seconds ± 1 second

• Thermal Shock: Inductance shall be Within ± 5% of imital 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.