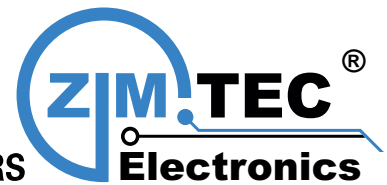


AIML-0603C SERIES

SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

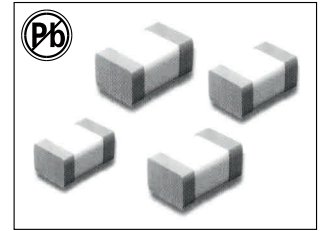


FEATURES:

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

COMMON APPLICATIONS:

- VCRs
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products



ELECTRICAL CHARACTERISTICS:

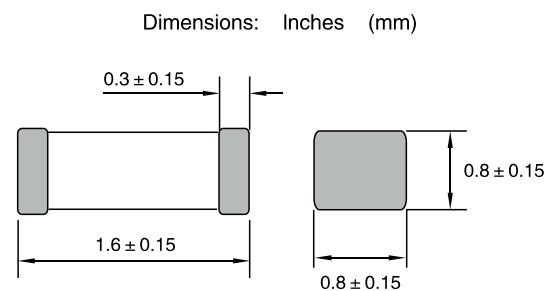
Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Q Max	IDC Max mA	Test Freq MHz
AIML-0603C-1N2	1.2	40	6000	0.10	500	100
AIML-0603C-1N5	1.5	38	6000	0.10	500	100
AIML-0603C-1N8	1.8	36	6000	0.12	500	100
AIML-0603C-2N2	2.2	34	6000	0.16	500	100
AIML-0603C-2N7	2.7	32	6000	0.20	500	100
AIML-0603C-3N3	3.3	30	5700	0.22	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	0.30	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	0.40	300	100
AIML-0603C-15N	15	26	2400	0.45	300	100
AIML-0603C-18N	18	25	2050	0.50	300	100
AIML-0603C-22N	22	30	1850	0.55	300	100
AIML-0603C-27N	27	26	1750	0.60	300	100
AIML-0603C-33N	33	24	1500	0.65	300	100
AIML-0603C-39N	39	20	1350	0.70	300	100
AIML-0603C-47N	47	18	1200	0.90	300	100
AIML-0603C-56N	56	14	1100	1.00	300	100
AIML-0603C-68N	68	18	1000	1.50	300	100
AIML-0603C-82N	82	18	900	2.00	300	100
AIML-0603C-R10	100	3	830	2.50	300	100

Note: 1. K = ± 10%, M = ± 20%, N = ± 30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
Impedance & Q-HP4195A + HP41951
DCR: VOAC-7412
SRF: HP8753C
- 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 10 seconds ± 1 second
- Thermal Shock: Impedance 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: -25 °C to +85 °C

PHYSICAL CHARACTERISTICS:



Note: All specifications subject to change without notice.

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