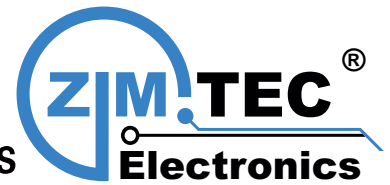


AIML-0402C SERIES

SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

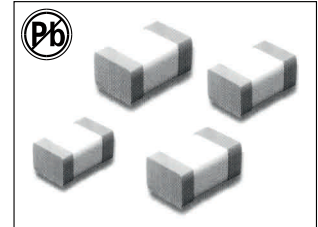


FEATURES:

- 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



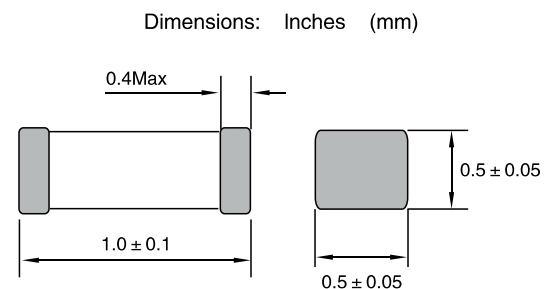
ELECTRICAL CHARACTERISTICS:

Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
AIML-0402C-1N0	1.0	8	6000	0.10	300	100
AIML-0402C-1N2	1.2	8	6000	0.10	300	100
AIML-0402C-1N5	1.5	8	6000	0.10	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	0.20	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	0.40	250	100
AIML-0402C-10N	10	8	3200	0.45	250	100
AIML-0402C-12N	12	8	2700	0.50	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	0.80	200	100
AIML-0402C-27N	27	8	1600	0.90	200	100
AIML-0402C-33N	33	8	1300	1.10	200	100
AIML-0402C-39N	39	8	1200	1.20	100	100
AIML-0402C-47N	47	8	1000	1.30	100	100
AIML-0402C-56N	56	8	750	1.40	100	100
AIML-0402C-68N	68	8	700	1.40	100	100
AIML-0402C-82N	82	8	600	1.60	100	100
AIML-0402C-R10	100	8	550	2.00	100	100

TECHNICAL INFORMATION:

- Testing: (Equivalents acceptable)
Impedance & Q-HP4195A + HP41951
DCR: VOAC-7412
SRF: HP8753C
- Solderability: 90% of the terminal electrode shall be covered
Preheat: @ 260 °C \pm 5 °C for 160 seconds
Solder: H63AA Eutectic Solder
Flux: Rosin, Dip for 10 seconds \pm 1 second
- Thermal Shock: Impedance shall be within \pm 5% of initial value and Q shall be within \pm 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.

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

ZimTec Electronics GmbH

Franz-Mehring-Weg 2, 39606 Osterburg, Germany

E-mail : info@zimtec-electronics.de

Web : www.zimtec-electronics.de

Last Update : 01.Jun.2015