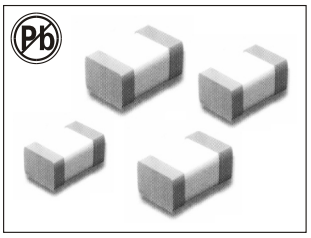
SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

AIML-0402C SERIES



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

COMMON APPLCATIONS:

- 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

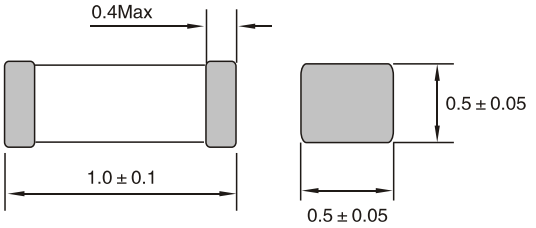
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q-HP4195A+HP41951
  DCR:VOAC-7412
  SRF:HP8753C
- Solderability:90% of the terminal Electrode shall be covered
  Preheat:@ 260℃ ± 5℃ for 160 seconds
  Solder:H63AA Eutectic Solder
  Flux:Rosin,Dip for 5 seconds ± 1 second
- Thermal Shock: Inductance shall be Within ± 5% of imitial value
  and Q shall be within ± 30% of initial value
  When temperaturs is -40℃ and +85℃ for 30 Min.for each 100 cycles
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -40℃ to +85℃

PHYSICAL CHARACTERISTICS:

Dimensions: Inches (mm)



Note:All specifications subject to change without notice.