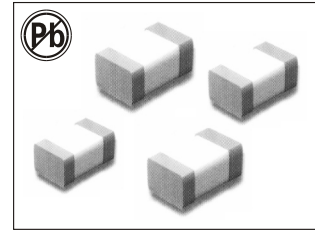


# SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

## FAAIML-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: TECHNICAL INFORMATION:

Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Max	IDC Max mA	Test Freq MHz
FAAIML-0402C-1N0	1.0	8	6000	0.10	300	100
FAAIML-0402C-1N2	1.2	8	6000	0.10	300	100
FAAIML-0402C-1N5	1.5	8	6000	0.10	300	100
FAAIML-0402C-1N8	1.8	8	6000	0.12	300	100
FAAIML-0402C-2N2	2.2	8	6000	0.16	300	100
FAAIML-0402C-2N7	2.7	8	6000	0.20	300	100
FAAIML-0402C-3N3	3.3	8	6000	0.22	300	100
FAAIML-0402C-3N9	3.9	8	4000	0.25	300	100
FAAIML-0402C-4N7	4.7	8	4000	0.28	300	100
FAAIML-0402C-5N6	5.6	8	4000	0.29	300	100
FAAIML-0402C-6N8	6.8	8	3900	0.35	300	100
FAAIML-0402C-8N2	8.2	8	3600	0.40	250	100
FAAIML-0402C-10N	10	8	3200	0.45	250	100
FAAIML-0402C-12N	12	8	2700	0.50	200	100
FAAIML-0402C-15N	15	8	2300	0.55	200	100
FAAIML-0402C-18N	18	8	2100	0.65	200	100
FAAIML-0402C-22N	22	8	1900	0.80	200	100
FAAIML-0402C-27N	27	8	1600	0.90	200	100
FAAIML-0402C-33N	33	8	1300	1.10	200	100
FAAIML-0402C-39N	39	8	1200	1.20	100	100
FAAIML-0402C-47N	47	8	1000	1.30	100	100
FAAIML-0402C-56N	56	8	750	1.40	100	100
FAAIML-0402C-68N	68	8	700	1.40	100	100
FAAIML-0402C-82N	82	8	600	1.60	100	100
FAAIML-0402C-R10	100	8	550	2.00	100	100

Testing:(Equivalent 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 imital value

and Q shall be within 30% of initial value

When temperatur is -40 and +85 for 30

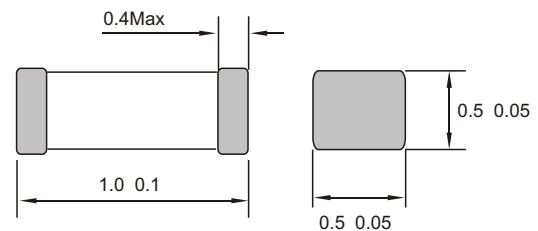
Min.for each 100 cycles

Operating Temperature:-25 to +85

Storage Temperature: -40 to +85

## PHYSICAL CHARACTERISTICS:

Dimensions: Inches (mm)



Note:All specifications subject to change without notice.

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