

SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

FAAIML-0603C 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:

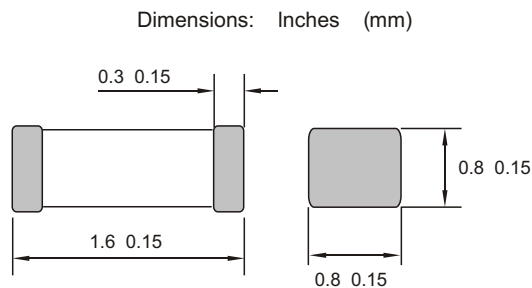
Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Max	IDC Max mA	Test Freq MHz
FAAIML-0603C-1N2	1.2	40	6000	0.10	500	100
FAAIML-0603C-1N5	1.5	38	6000	0.10	500	100
FAAIML-0603C-1N8	1.8	36	6000	0.12	500	100
FAAIML-0603C-2N2	2.2	34	6000	0.16	500	100
FAAIML-0603C-2N7	2.7	32	6000	0.20	500	100
FAAIML-0603C-3N3	3.3	30	5700	0.22	500	100
FAAIML-0603C-3N9	3.9	32	5600	0.25	500	100
FAAIML-0603C-4N7	4.7	32	4800	0.28	500	100
FAAIML-0603C-5N6	5.6	32	4350	0.29	500	100
FAAIML-0603C-6N8	6.8	32	3750	0.30	500	100
FAAIML-0603C-8N2	8.2	28	3300	0.33	300	100
FAAIML-0603C-10N	10	31	2850	0.35	300	100
FAAIML-0603C-12N	12	30	2700	0.40	300	100
FAAIML-0603C-15N	15	26	2400	0.45	300	100
FAAIML-0603C-18N	18	25	2050	0.50	300	100
FAAIML-0603C-22N	22	30	1850	0.55	300	100
FAAIML-0603C-27N	27	26	1750	0.60	300	100
FAAIML-0603C-33N	33	24	1500	0.65	300	100
FAAIML-0603C-39N	39	20	1350	0.70	300	100
FAAIML-0603C-47N	47	18	1200	0.90	300	100
FAAIML-0603C-56N	56	14	1100	1.00	300	100
FAAIML-0603C-68N	68	18	1000	1.50	300	100
FAAIML-0603C-82N	82	18	900	2.00	300	100
FAAIML-0603C-R10	100	3	830	2.50	300	100

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

TECHNICAL INFORMATION:

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 initial 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:



Note:All specifications subject to change without notice.