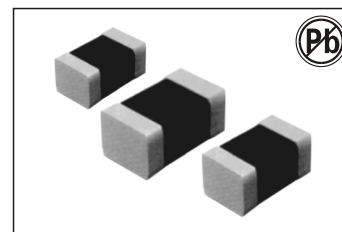


SURFACE-MOUNT MULTI-LAYER CHIP INDUCTORS

FAAIML-0603 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:2000pcs)
 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

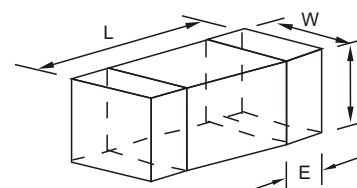
ELECTRICAL CHARACTERISTICS: TECHNICAL INFORMATION:

Part Number	L (H)	Tol %	Q Min	SRF MHz Min	DCR Max	IDC Max mA	Test Freq MHz
FAAIML-0603-47NM	47nH	∅	15	260	0.3	50	50
FAAIML-0603-47NM	56nH	∅	15	260	0.3	50	50
FAAIML-0603-68NM	68nH	∅	15	250	0.3	50	50
FAAIML-0603-82NM	82nH	∅	15	245	0.3	50	50
FAAIML-0603-R10K	.10	0	20	240	0.5	50	25
FAAIML-0603-R12K	.12	0	20	205	0.5	50	25
FAAIML-0603-R15K	.15	0	20	180	0.6	50	25
FAAIML-0603-R18K	.18	0	20	165	0.6	50	25
FAAIML-0603-R22K	.22	0	20	150	0.8	50	25
FAAIML-0603-R27K	.27	0	20	136	0.8	50	25
FAAIML-0603-R33K	.33	0	20	125	0.85	35	25
FAAIML-0603-R39K	.39	0	20	110	1.00	35	25
FAAIML-0603-R47K	.47	0	20	105	1.35	35	25
FAAIML-0603-R56K	.56	0	20	95	1.55	35	25
FAAIML-0603-R68K	.68	0	20	90	1.70	35	25
FAAIML-0603-R82K	.82	0	20	85	2.10	35	25
FAAIML-0603-1R0K	1.0	0	35	75	0.60	25	10
FAAIML-0603-1R2K	1.2	0	35	65	0.80	25	10
FAAIML-0603-1R5K	1.5	0	35	60	0.80	25	10
FAAIML-0603-1R8K	1.8	0	35	55	0.95	25	10
FAAIML-0603-2R2K	2.2	0	35	50	1.15	25	10
FAAIML-0603-2R7K	2.7	0	35	45	1.35	15	10
FAAIML-0603-3R3K	3.3	0	35	40	1.55	15	10
FAAIML-0603-3R9K	3.9	0	35	35	1.70	15	10
FAAIML-0603-4R7K	4.7	0	35	33	2.10	15	10
FAAIML-0603-5R6K	5.6	0	35	22	1.55	5	4
FAAIML-0603-6R8K	6.8	0	35	20	1.70	5	4
FAAIML-0603-8R2K	8.2	0	35	18	2.10	5	4
FAAIML-0603-100K	10	0	30	17	2.15	3	2
FAAIML-0603-120K	12	0	30	15	2.35	3	2
FAAIML-0603-150K	15	0	20	14	1.70	1	1
FAAIML-0603-180K	18	0	20	13	1.85	1	1
FAAIML-0603-220K	22	0	20	11	2.10	1	1
FAAIML-0603-270K	27	0	20	10	2.75	1	1
FAAIML-0603-330K	33	0	20	9	2.95	1	1

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

Testing:(Equivalent acceptable)
 Inductance & Q-HP4195A+HP41951
 DCR:VOAC-7412
 SRF:HP8753C
 Solderability:75% of the terminal electrode shall be covered
 Preheat:@ 180 5 for 2-3 minutes
 Solder temperature:230 for 4 seconds
 1 second Flux:Emersion into methanol solution with Colophony for 3 to 5 seconds.
 IDC:The DC current at which tither the initial L value is decreased by 5% with the application of DC bias or the value of current at which the temperature of the element is increased by 20
 Operating Temperature:-40 to +100

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

L	$\frac{0.063 \ 0.006}{(1.6 \ 0.15)}$
W	$\frac{0.031 \ 0.006}{(0.8 \ 0.15)}$
T	$\frac{0.031 \ 0.006}{(0.8 \ 0.15)}$
E	$\frac{0.012 \ 0.008}{(0.3 \ 0.2)}$