

SPECIFICATION OF FLM□ SERIES

APPLICATIONS

- EMI suppression for various electric equipment by the addition of impedance to the circuit.
Suitable for all computer related products.
- To compose different LC filter with capacitor to modify signal wave-form , such as TV out in a notebook computer or audio out in a CD-ROM circuit.



ORDERING CODE

FLM□ - 321611 - R47 K T
 (1) (2) (3) (4)(5)

(1) PRODUCT TYPE CODE

FLM : Ferrite Chip Inductor Multilayer

□ : RoHS Code

(2) SIZE CODE

(3) INDUCTANCE CODE

Example : 47N=0.047μH

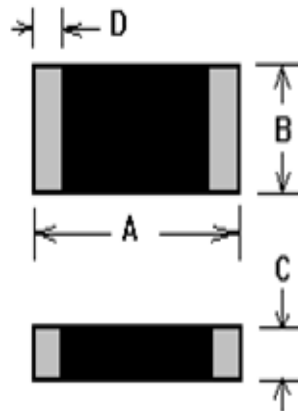
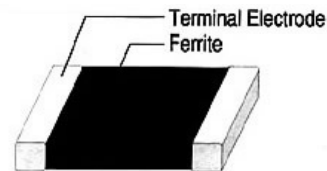
R47=0.47μH

4R7=4.7μH

(4) INDUCTANCE TOLERANCE

(K : ±10%, M : ±20%)

(5) TAPING



SHAPE & DIMENSIONS

UNIT:mm (inch)

SIZE CODE	A	B	C	D
FLM□-160808 (0603)	1.60±0.20 (0.063±0.008)	0.80±0.20 (0.031±0.008)	0.80±0.20 (0.031±0.008)	0.30±0.20 (0.012±0.008)
FLM□-201209 (0805)	2.00±0.20 (0.079±0.008)	1.20±0.20 (0.047±0.008)	0.90±0.20 (0.035±0.008)	0.50±0.30 (0.020±0.012)
FLM□-201212 (0805)	2.00±0.20 (0.079±0.008)	1.20±0.20 (0.047±0.008)	1.20±0.20 (0.047±0.008)	0.50±0.30 (0.020±0.012)
FLM□-321611 (1206)	3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	1.10±0.20 (0.043±0.008)	0.50±0.30 (0.020±0.012)

※All the data listed in this catalogue are for reference only, King Core reserves the right to alter or revise the specifications without prior notification.

MULTILAYER CHIP INDUCTORS → FLM□-321611 SERIES

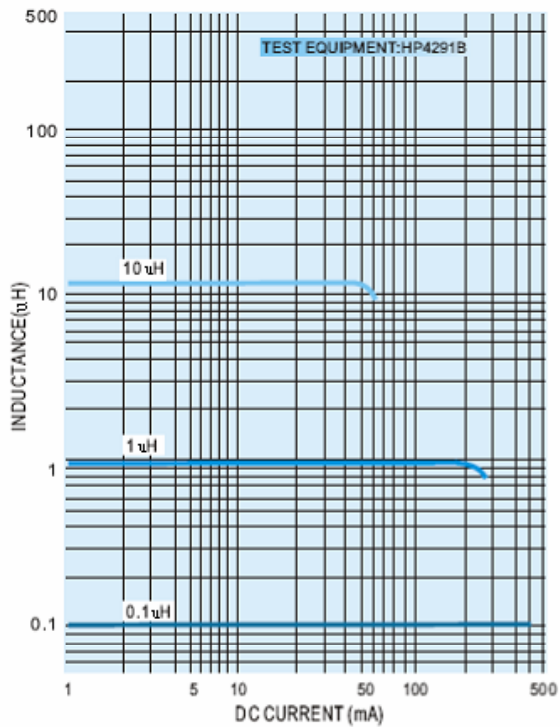
ELECTRICAL CHARACTERISTICS

ORDERING CODE	L (μH)	Tolerance (±%)	Q (Min)	Test	Self	DC Resistance (Ω)max	IDC (mA)max
				Frequency L/Q(MHz)	Resonant Frequency (MHz)TYP		
FLM□-321611-47N□T	0.047	10 / 20	20	50	320	0.15	300
FLM□-321611-68N□T	0.068	10 / 20	20	50	280	0.25	300
FLM□-321611-R10□T	0.10	10 / 20	30	25	235	0.25	250
FLM□-321611-R12□T	0.12	10 / 20	30	25	220	0.30	250
FLM□-321611-R15□T	0.15	10 / 20	30	25	200	0.30	250
FLM□-321611-R18□T	0.18	10 / 20	30	25	185	0.40	250
FLM□-321611-R22□T	0.22	10 / 20	30	25	170	0.40	250
FLM□-321611-R27□T	0.27	10 / 20	30	25	150	0.50	250
FLM□-321611-R33□T	0.33	10 / 20	30	25	145	0.60	250
FLM□-321611-R39□T	0.39	10 / 20	30	25	135	0.50	200
FLM□-321611-R47□T	0.47	10 / 20	30	25	125	0.60	200
FLM□-321611-R56□T	0.56	10 / 20	30	25	115	0.70	150
FLM□-321611-R68□T	0.68	10 / 20	30	25	105	0.80	150
FLM□-321611-R82□T	0.82	10 / 20	30	25	90	0.90	150
FLM□-321611-1R0□T	1.0	10 / 20	45	10	75	0.40	100
FLM□-321611-1R2□T	1.2	10 / 20	45	10	65	0.50	100
FLM□-321611-1R5□T	1.5	10 / 20	45	10	60	0.50	50
FLM□-321611-1R8□T	1.8	10 / 20	45	10	55	0.50	50
FLM□-321611-2R2□T	2.2	10 / 20	45	10	50	0.60	50
FLM□-321611-2R7□T	2.7	10 / 20	45	10	45	0.60	50
FLM□-321611-3R3□T	3.3	10 / 20	45	10	41	0.70	50
FLM□-321611-3R9□T	3.9	10 / 20	45	10	38	0.80	50
FLM□-321611-4R7□T	4.7	10 / 20	45	10	35	0.90	50
FLM□-321611-5R6□T	5.6	10 / 20	35	4	32	0.70	25
FLM□-321611-6R8□T	6.8	10 / 20	35	4	29	0.80	25
FLM□-321611-8R2□T	8.2	10 / 20	35	4	26	0.90	25
FLM□-321611-100□T	10	10 / 20	35	2	24	1.00	25

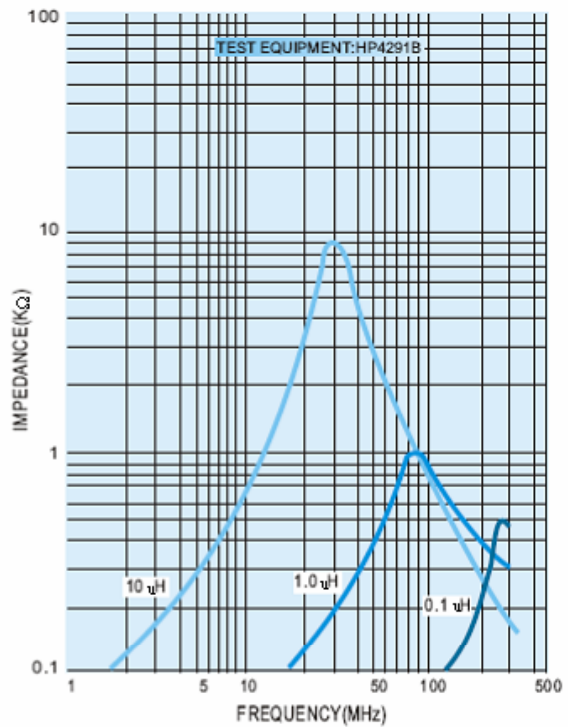
1. 47N means 47nH or 0.047uH.
2. 47N□, □ Means the inductance tolerance, K=±10%, M=±20%
- 3.IDC:Based on Temperature increase 40°C
- 4.Operating temperature range : -55 to +125°C (including self-heating)

※All the data listed in this catalogue are for reference only, King Core reserves the right to alter or revise the specifications without prior notification.

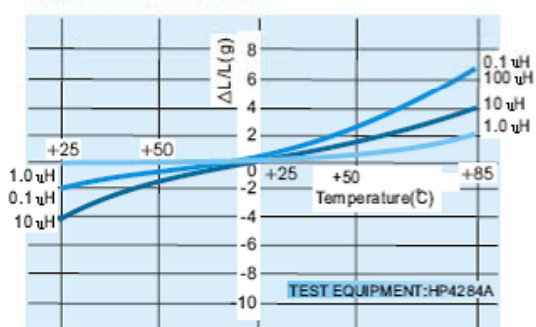
INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS



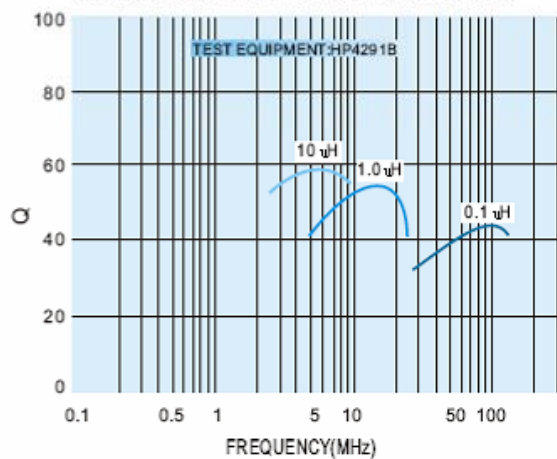
IMPEDANCE vs. FREQUENCY CHARACTERISTICS



INDUCTANCE vs. TEMPERATURE CHARACTERISTICS



Q vs. FREQUENCY CHARACTERISTICS



※All the data listed in this catalogue are for reference only, King Core reserves the right to alter or revise the specifications without prior notification.