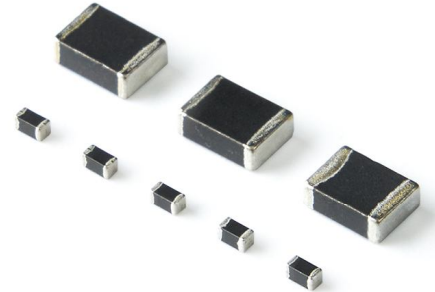


SPECIFICATION OF FLM□ SERIES

APPLICATIONS

1. EMI suppression for various electric equipment by the addition of impedance to the circuit.
Suitable for all computer related products.
2. 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□ - 201212 - 100 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

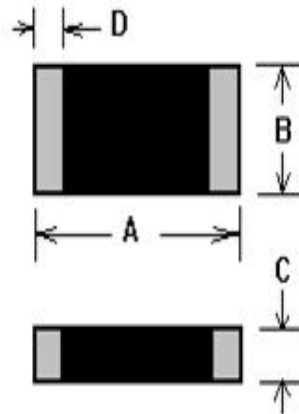
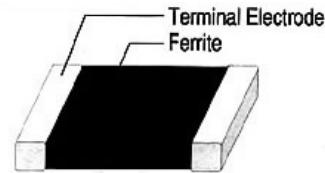
R47=0.47μH

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□-201212 SERIES

ELECTRICAL CHARACTERISTICS

ORDERING CODE	L (μ H)	Tolerance (\pm %)	Q (Min)	Test Frequency L/Q(MHz)	Self Resonant Frequency (MHz)TYP	DC Resistance (Ω)max	IDC (mA)max
FLM□-201212-5R6□T	5.6	10 / 20	30	4	32	0.90	15
FLM□-201212-6R8□T	6.8	10 / 20	30	4	29	1.00	15
FLM□-201212-8R2□T	8.2	10 / 20	30	4	26	1.10	15
FLM□-201212-100□T	10	10 / 20	30	2	24	1.15	15

※5R6□, □ Means the inductance tolerance, K= \pm 10%, M= \pm 20%

1.5R6□, □ Means the inductance tolerance, K= \pm 10%, M= \pm 20%

2.IDC:Based on Temperature increase 40°C

3.Operating temperature range : -55 to +125°C (including self-heating)

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KING CORE ELECTRONICS INC.
Tel:886-3-4698855 Fax:886-3-4691395

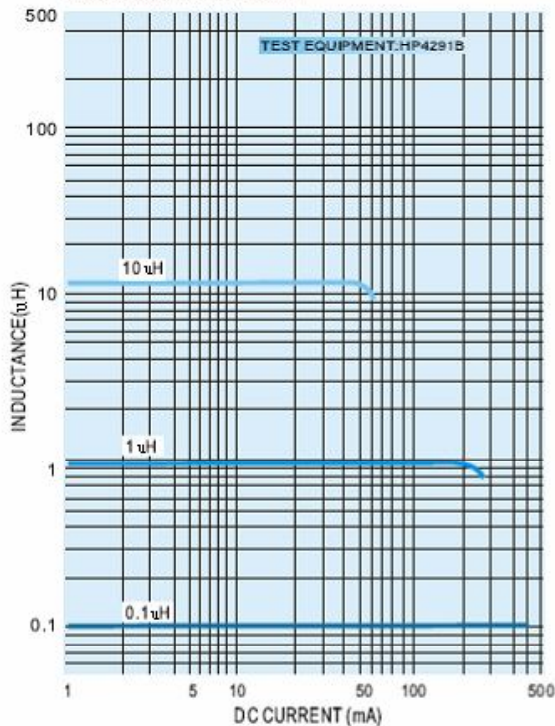
No.269,Nanfong Rd.,Pingjhen City,Taoyuan County, Taiwan

E-mail:kc@mail.kingcore.com.tw

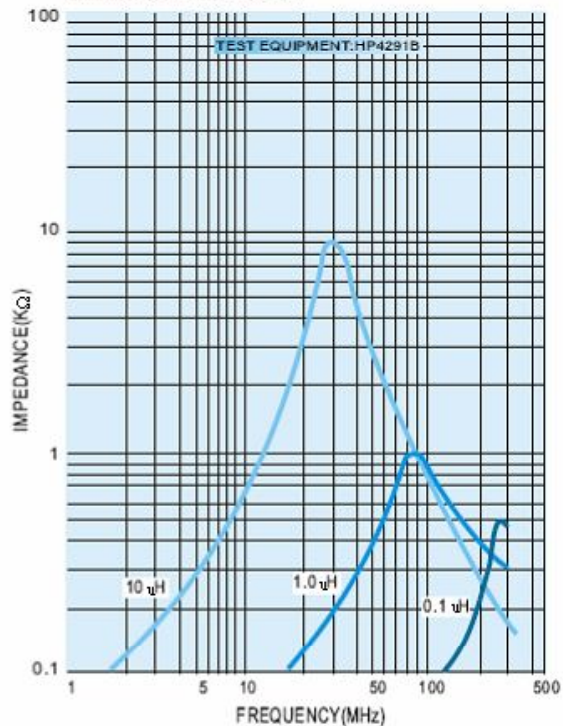
Web Site:http://www.kingcore.com.tw

FLM-H.A03

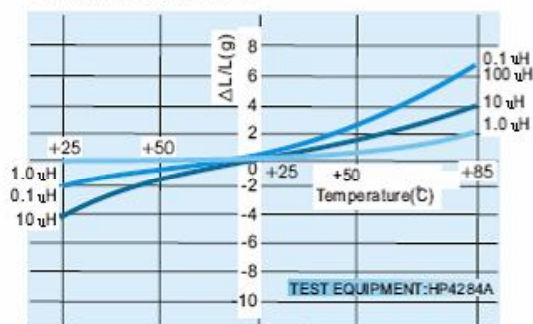
INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS



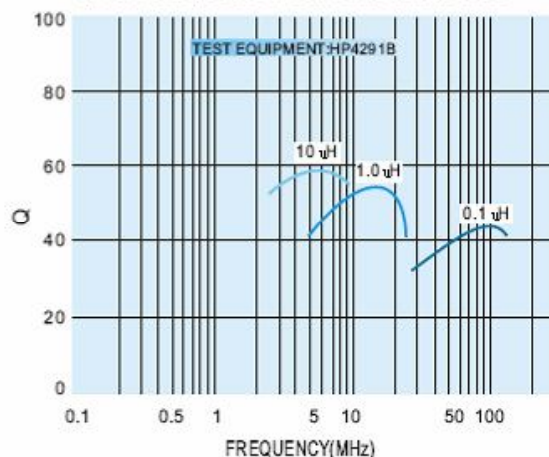
IMPEDANCE vs. FREQUENCY CHARACTERISTICS



INDUCTANCE vs. TEMPERATURE CHARACTERISTICS



Q vs. FREQUENCY CHARACTERISTICS



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