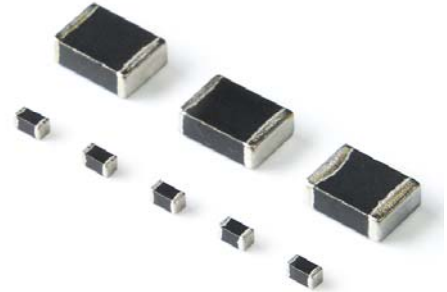


SPECIFICATION OF FLM□ SERIES

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□ - 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

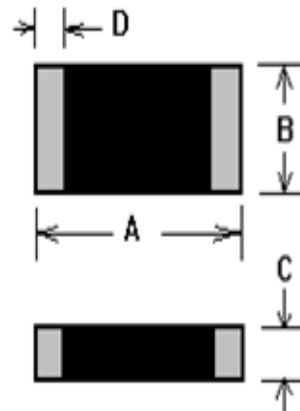
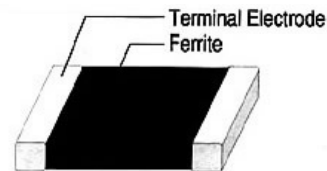
R47=0.47μH

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 (μH)	Tolerance ($\pm\%$)	Q (Min)	Test	Self	DC Resistance (Ω)max	IDC (mA)max
				Frequency L/Q(MHz)	Resonant Frequency (MHz)TYP		
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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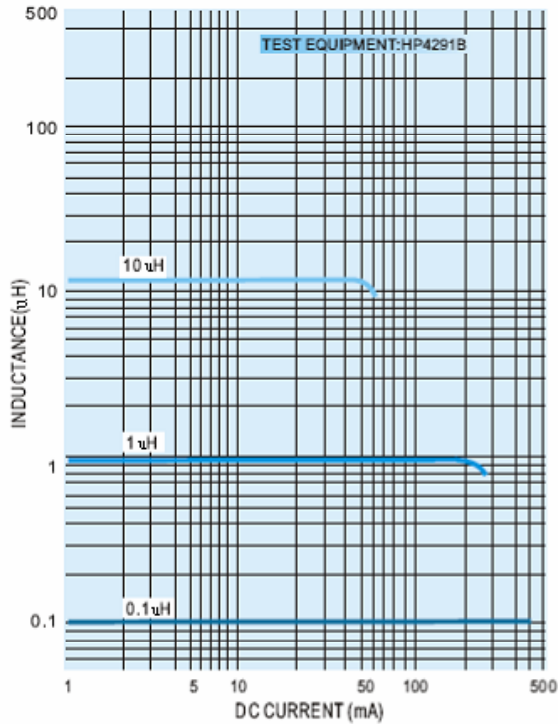


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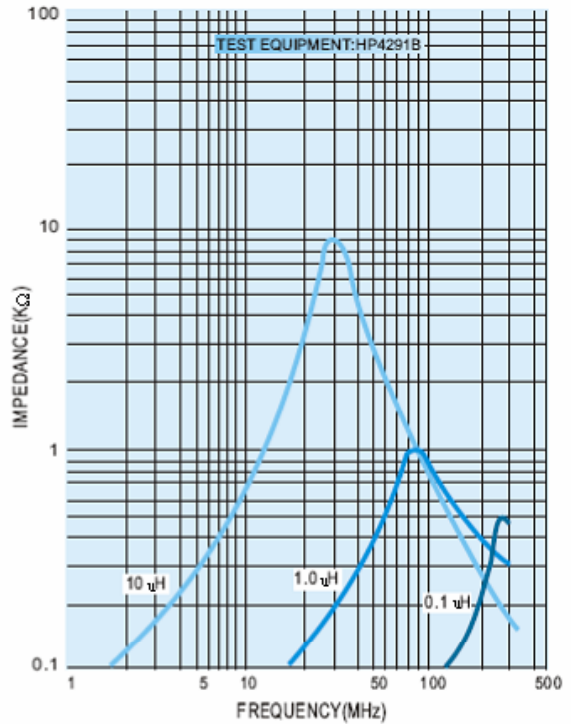
No.269,Nanfong Rd.,Pingjhen City,Taoyuan County, Taiwan
E-mail:kc@mail.kingcore.com.tw Web Site:http://www.kingcore.com.tw

FLM-H.A04

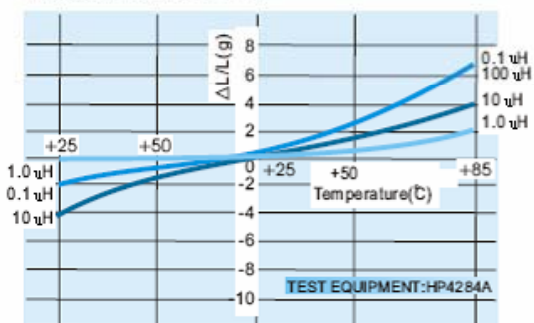
INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS



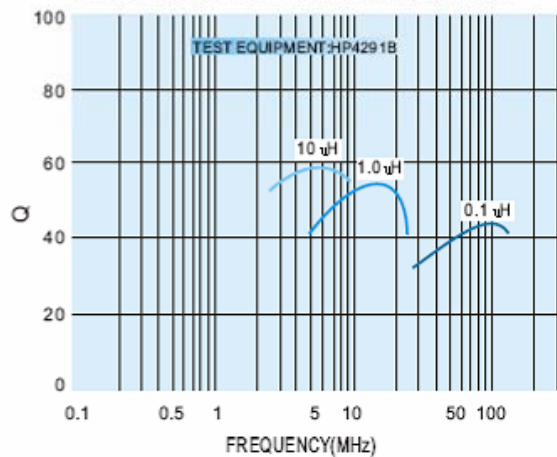
IMPEDANCE vs. FREQUENCY CHARACTERISTICS



INDUCTANCE vs. TEMPERATURE CHARACTERISTICS



Q vs. FREQUENCY CHARACTERISTICS



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