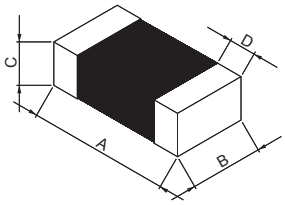
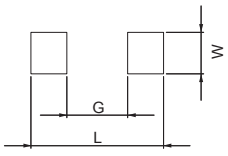
FH201210 Series (HIGH CURRENT)

■ SMD Multi-Layer Ceramic Chip Inductors

MECHANICAL DIMENSIONS

FH201210





Recommended Patterns

unit: mm

TYPE	A	B	C	D	L	W	G
201210	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	1.0 Max. (0.039 Max.)	0.5±0.3 (0.020±0.012)	3.2 (0.126)	1.55 (0.061)	0.6 (0.024)

PART NUMBER KEY

FH □□□□□□ - □□□ □ - □□□

(1) (2) (3) (4) (5)

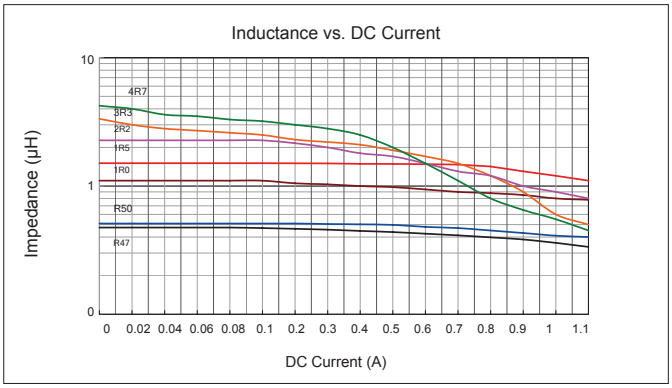
(A) (B) (C)

(1) Product Symbol: Multilayer Chip Inductors
(2) Dimensions: Length (A) x Width (B) x Thickness (C)
(3) Inductance
(4) Tolerance
(5) Internal code

ELECTRICAL SPECIFICATION

Part Number	Inductance (μH)	Inductance Tolerance	Test Frequency (MHz)	DC Resistance (Ω) Max.	Rated Current (A) Max.
FH201210-R47M-LRH	0.47	±20%	1.0	0.08	1.2
FH201210-R50M-LRH	0.50	±20%	1.0	0.08	1.2
FH201210-1R0M-LRH	1.00	±20%	1.0	0.14	1.0
FH201210-1R5M-LRH	1.50	±20%	1.0	0.20	0.8
FH201210-2R2M-LRH	2.20	±20%	1.0	0.20	0.8
FH201210-3R3M-LRH	3.30	±20%	1.0	0.24	0.7
FH201210-4R7M-LRH	4.70	±20%	1.0	0.28	0.7

- Inductance tolerance: M=±20%
- Operating Temperature Range: -40℃ to +85℃
- Storage Temperature Range: -40℃ to +85℃
- Inductance using the HP4285A
- DCR measured using the 16502 milli-ohm meter
- Rated current: The value of current at which the temperature of the element is increased within 40℃ (at Ta:20℃)

CHARACTERISTIC CURVE

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