Chip Bead; CIB/CIM Series
For EMI Suppression

The CIB, CIM Series are used for EMI suppression filters.
These beads suppress electro-magnetic wave noise by increased impedance, especially by increased resistance at noise frequency.

CIB series
The CIB series is composed of mono-layer internal conductor that allows low impedance and low DC resistance.

CIM Series
The CIM Series display high impedance because it is composed of a multi-layered internal conductor and has excellent attenuation characteristics for wide band frequencies

General Features

- Smallest inductors suitable for surface mounting
- Perfect shape for automatic mounting, with no directionality
- Excellent solderability and high heat resistance for either flow and reflow soldering
- Monolithic inorganic material construction for high reliability
- Closed magnetic circuit configuration avoids crosstalk and is suitable for high density PCBs.

Applications

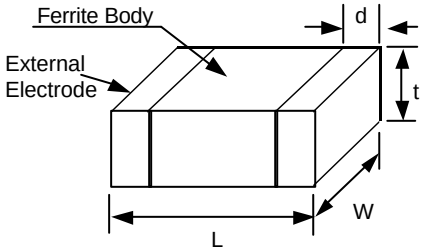
- High frequency EMI prevention application applicable to computers, printers, VCRs, TVs and portable telephones

Part Numbering

CI	**M**	**21**	**O**	**121**	**N**	**E**
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Chip Inductor
(2) B: Mono-layer type, M: Multi-layer type
(3) Dimensions
(4) Material Code : (U: high impedance at 10 MHz; J: Low impedance at 10 MHz)
(5) Normal Impedance(110:11Ω, 121: 120 Ω)
(6) Thickness option(N:Standard, A:Thinner than standard, B: Thicker than standard)
(7) Package Style(C:paper tape, 7" reel; E: embossed tape, t" reel)

Dimensions



Unit : mm

SIZE CODE	L	W	t	d
05	1.0 ± 0.05	0.5 ± 0.05	0.5 ± 0.05	0.25 ± 0.1
10	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.3 ± 0.2
21	2.0 ± 0.2	1.25 ± 0.2	0.9 ± 0.2	0.5+0.2,-0.3
31	3.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.2	0.5+0.2,-0.3
32	3.2 ± 0.2	2.5 ± 0.2	1.3 ± 0.2	0.5 ± 0.3
41	4.5 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	0.5 ± 0.3
43	4.5 ± 0.2	3.2 ± 0.2	1.5 ± 0.2	0.5 ± 0.3