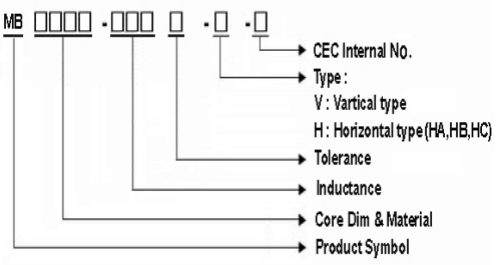
MB Series

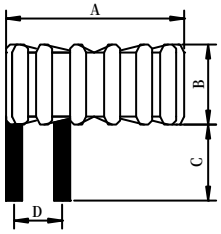
Product Identification



- Note: lead-free
- Customized specifications are also welcome.

Shapes and Dimensions

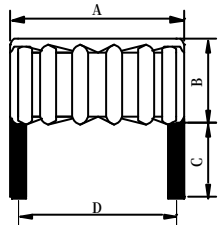
Type: HA



Dimensions in mm

Type: HA	A Max	B Max	C	D
MB5026	15.5	8.0	6±1	5±1
MB5026B	15.5	9.5	6±1	5±1
MB5052	15.5	8.0	6±1	5±1
MB5052B	15.5	9.5	6±1	5±1
MB5018B	15.5	9.5	6±1	5±1
MB5018	15.5	8.0	6±1	5±1
MB6052	20.0	10.0	6±1	6±1
MB6018	20.0	10.0	6±1	6±1

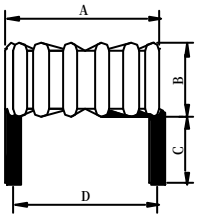
Type: HB



Dimensions in mm

Type: HB	A Max	B Max	C	D
MB5026	18.0	10.0	6±1	15±1
MB5026B	18.0	11.5	6±1	15±1
MB5052	18.0	10.0	6±1	15±1
MB5052B	18.0	11.5	6±1	15±1
MB5018B	18.0	11.5	6±1	15±1
MB5018	18.0	10.0	6±1	15±1
MB6052	22.0max	12.0max	6±1	17±1
MB6018	22.0max	12.0max	6±1	17±1

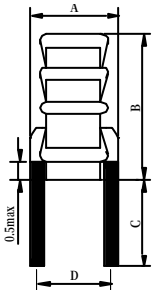
Type: HC



Dimensions in mm

Type: HC	A Max	B Max	C	D
MB5026	15.5	8.0	6±1	14±1
MB5026B	15.5	9.5	6±1	14±1
MB5052	15.5	8.0	6±1	14±1
MB5052B	15.5	9.5	6±1	14±1
MB5018B	15.5	9.5	6±1	14±1
MB5018	15.5	8.0	6±1	14±1
MB6052	20.0	10.0	6±1	16±1
MB6018	20.0	10.0	6±1	16±1

Type: V



Dimensions in mm

Type: V	A Max	B Max	C	D
MB5026	9.0	18.0	6±1	7.0±1
MB5026B	10.0	18.0	6±1	8.5±1
MB5052	9.0	18.0	6±1	7.0±1
MB5052B	10.0	18.0	6±1	8.5±1
MB5018B	10.0	18.0	6±1	8.5±1
MB5018	9.0	18.0	6±1	7.0±1
MB6052	11.0	21.0	6±1	9.5REF
MB6018	11.0	21.0	6±1	9.5REF

CHILISIN ELECTRONICS CORP.

Electrical Parameters

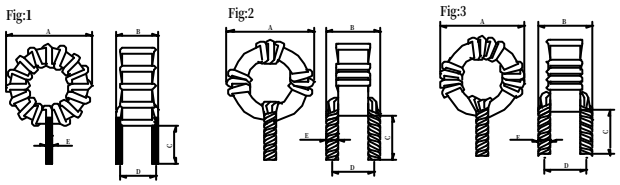
Part Number	Inductance (μH)	DC Resistance (mΩ) Max								Permissible DC current (A) Max /L(μH) Min. when current applied							
		5026	5026B	5052	5052B	5018	5018B	6052	6018	5026	5026B	5052	5052B	5018	5018B	6052	6018
1R0M-N	1.0	6.0	5.0	6.0	5.0	6.0	5.0	4.0	4.0	15/0.8	15/0.8	15/0.8	15/0.8	15/0.8	15/0.8	20/0.8	20/0.8
1R2M-N	1.2	6.0	5.0	6.0	5.0	6.0	5.0	4.0	4.0	15/1.0	15/1.0	15/1.0	15/1.0	15/1.0	15/1.0	20/1.0	20/1.0
1R5M-N	1.5	6.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	12/1.2	15/1.2	12/1.2	15/1.2	15/1.2	15/1.2	20/1.2	20/1.2
1R8M-N	1.8	7.0	6.0	7.0	6.0	7.0	6.0	4.0	4.0	12/1.5	12/1.5	12/1.5	12/1.5	12/1.5	12/1.5	15/1.5	15/1.5
2R0M-N	2.0	7.0	6.0	7.0	6.0	7.0	6.0	4.0	4.0	11/1.6	12/1.6	11/1.6	12/1.6	12/1.6	12/1.6	15/1.6	15/1.6
2R2M-N	2.2	7.0	7.0	7.0	7.0	7.0	7.0	4.0	4.0	11/1.7	12/1.7	11/1.7	12/1.7	12/1.7	12/1.7	15/1.7	15/1.7
2R5M-N	2.5	8.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	10/2.0	10/2.0	10/2.0	10/2.0	10/2.0	10/2.0	15/2.0	15/2.0
2R7M-N	2.7	8.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	10/2.2	10/2.2	10/2.2	10/2.2	10/2.2	10/2.2	12/2.2	12/2.2
3R0M-N	3.0	8.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	9/2.4	10/2.4	9/2.4	10/2.4	10/2.4	10/2.4	12/2.4	12/2.4
3R3M-N	3.3	8.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	9/2.7	9/2.7	9/2.7	9/2.7	9/2.7	9/2.7	12/2.7	12/2.7
3R5M-N	3.5	9.0	8.0	9.0	8.0	9.0	8.0	5.0	5.0	8/2.8	9/2.8	8/2.8	9/2.8	9/2.8	9/2.8	12/2.8	12/2.8
3R9M-N	3.9	9.0	8.0	9.0	8.0	9.0	8.0	5.0	5.0	8/3.0	9/3.3	8/3.0	9/3.3	9/3.3	9/3.3	10/3.0	10/3.0
4R0M-N	4.0	9.0	8.0	9.0	8.0	9.0	8.0	5.0	5.0	7/3.2	8/3.2	7/3.2	8/3.2	8/3.2	8/3.2	10/3.2	10/3.2
4R5M-N	4.5	9.0	9.0	9.0	9.0	9.0	9.0	5.0	5.0	7/3.6	8/3.6	7/3.6	8/3.6	8/3.6	8/3.6	10/3.6	10/3.6
4R7M-N	4.7	10.0	9.0	10.0	9.0	10.0	9.0	6.0	6.0	6/3.8	8/3.8	6/3.8	8/3.8	8/3.8	8/3.8	9/3.8	9/3.8
5R0M-N	5.0	10.0	9.0	10.0	9.0	10.0	9.0	6.0	6.0	6/4.0	7/4.0	6/4.0	7/4.0	7/4.0	7/4.0	9/4.0	9/4.0
5R5M-N	5.5	10.0	9.0	10.0	9.0	10.0	9.0	6.0	6.0	5/4.4	7/4.4	5/4.4	7/4.4	7/4.4	7/4.4	8/4.4	8/4.4
6R0M-N	6.0	10.0	9.0	10.0	9.0	10.0	9.0	6.0	6.0	5/4.8	7/4.8	5/4.8	7/4.8	7/4.8	7/4.8	8/4.8	8/4.8
6R5M-N	6.5	11.0	9.0	11.0	9.0	11.0	9.0	6.0	6.0	5/5.0	6/5.2	5/5.0	6/5.2	6/5.2	6/5.2	8/5.2	8/5.2
7R0M-N	7.0	11.0	10.0	11.0	10.0	11.0	10.0	6.0	6.0	4/5.6	6/5.6	4/5.6	6/5.6	6/5.6	6/5.6	7/5.6	7/5.6
7R5M-N	7.5	11.0	10.0	11.0	10.0	11.0	10.0	6.0	6.0	4/6.1	5/6.1	4/6.1	5/6.1	5/6.1	5/6.1	7/6.1	7/6.1
8R0M-N	8.0	12.0	10.0	12.0	10.0	12.0	10.0	7.0	7.0	3/6.4	5/6.4	3/6.4	5/6.4	5/6.4	5/6.4	7/6.4	7/6.4
8R5M-N	8.5	12.0	11.0	12.0	11.0	12.0	11.0	7.0	7.0	3/6.8	4/6.8	3/6.8	4/6.8	4/6.8	4/6.8	6/6.8	6/6.8
9R0M-N	9.0	12.0	11.0	12.0	11.0	12.0	11.0	7.0	7.0	3/7.2	4/7.2	3/7.2	4/7.2	4/7.2	4/7.2	6/7.2	6/7.2
9R5M-N	9.5	12.0	12.0	12.0	12.0	12.0	12.0	7.0	7.0	2/7.6	3/7.6	2/7.6	3/7.6	3/7.6	3/7.6	6/7.6	6/7.6
100M-N	10.0	12.0	12.0	12.0	12.0	12.0	12.0	7.0	7.0	2/8.0	3/8.0	2/8.0	3/8.0	3/8.0	3/8.0	6/8.0	6/8.0

Measuring Frequency of Inductance:

- MB5026 Series: 1KHz
- MB5052/6052 Series: 100KHz
- MB5018/6018 Series: 300KHz

MB Series for Customer Design

Shapes and Dimensions



Dimensions in mm

Part Number	A Max	B Max	C	D	E	Fig
MB6018-R90M-N	20.0	10.0	3.8±0.5	9.5±1.0	2.9±0.3	3
MB6018-R60M-N	20.0	10.0	3.8±0.5	9.5±1.0	2.8 Ref	3
MB5052-R60M-N	16.5	8.0	6.0±1.0	7.0±1.0	1.7 Max	2
MB3752-1R0M-N	13.0	8.0	4.5±1.0	5.5±1.0	1.0±0.1	1
MB6052-3R0M-N	20.5	11.0	5.0±0.5	8.0±0.5	1.3±0.1	1
MB6052-1R0M-N	20.0	11.0	5.0±0.5	8.0±0.5	1.3±0.1	1

Electrical Parameters

Part Number	Inductance (μH)	RDC (mΩ) Max	Rated Current (A)
MB6018-R90M-N	0.9	3.0	30
MB6018-R60M-N	0.6	1.0	30
MB5052-R60M-N	0.6	2.8	15
MB3752-1R0M-N	1.0	3.0	15
MB6052-3R0M-N	3.0	4.0	20
MB6052-1R0M-N	1.0	3.0	20