MHCB Series



MHCB series is designed for low profile type with low RDC and ultra large current. Its molded magnetic shielded type is suitable for high-density mounting and ultra low buzz noise. Soldering conditions can be easily confirmed when mounting onto the board. This series also provides customers with embossed carrier type packaging for automatic mounting machine.

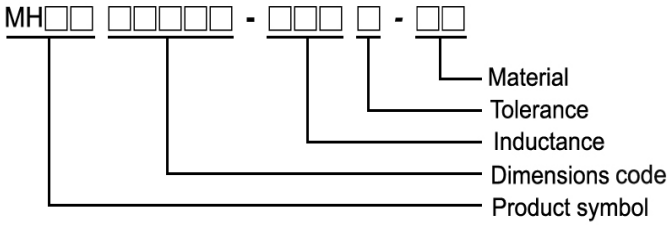
Features

- RoHS, Halogen Free and REACH Compliance
- High rated current
- Ultra low buzz noise

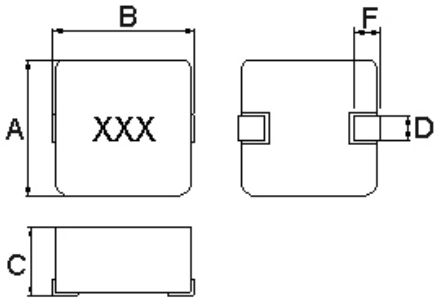
Applications

- Laptops and PCs
- Switchs and servers
- Base stations
- DC/DC converters

Product Identification



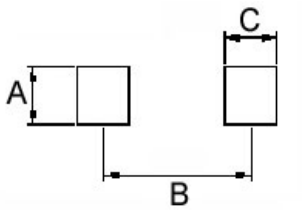
Shape and Dimensions



Dimensions in mm

TYPE	A	B	C	D	F
06030	6.6±0.2	6.95±0.35	2.8±0.2	3.0±0.3	1.6±0.5

Recommended Pattern



Dimensions in mm

TYPE	A	B	C
06030	3.5	6.05	2.35

CHILISIN ELECTRONICS CORP.

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC (mΩ) Max	Isat (A)Typ.	Irms (A)Typ.
MHCB06030-R10M-C1	0.10	20	100	1.7	60	32.5
MHCB06030-R22M-C1	0.22	20	100	2.8	40	23.0
MHCB06030-R33M-C1	0.33	20	100	3.9	30	20.0
MHCB06030-R47M-C1	0.47	20	100	4.2	26	17.5
MHCB06030-R68M-C1	0.68	20	100	5.5	25	15.5
MHCB06030-R82M-C1	0.82	20	100	8.0	24	13.0
MHCB06030-1R0M-C1	1.0	20	100	10	22	11.0
MHCB06030-1R5M-C1	1.5	20	100	15	18	9.0
MHCB06030-2R2M-C1	2.2	20	100	20	14	8.0
MHCB06030-3R3M-C1	3.3	20	100	30	13.5	6.0
MHCB06030-4R7M-C1	4.7	20	100	40	10.0	5.5
MHCB06030-6R8M-C1	6.8	20	100	60	8.0	4.5
MHCB06030-100M-C1	10	20	100	102	7.0	3.0

Note: When ordering, please specify tolerance code. Tolerance: M=±20%

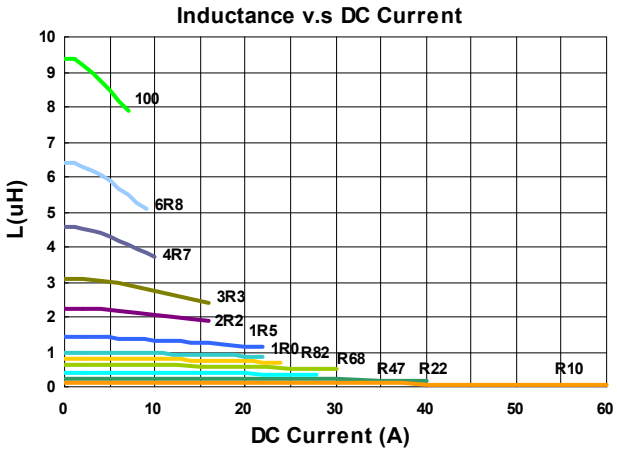
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value with current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Measure Equipment：

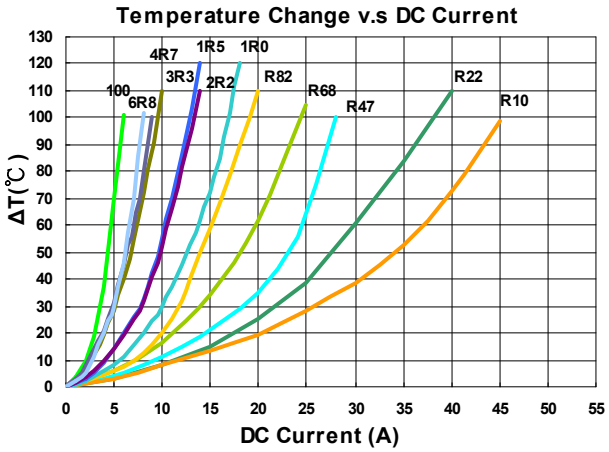
  L：WK 3260B or WK 6500P, 100KHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

Test Instruments：WK3260B Impedance / Material Analyzer

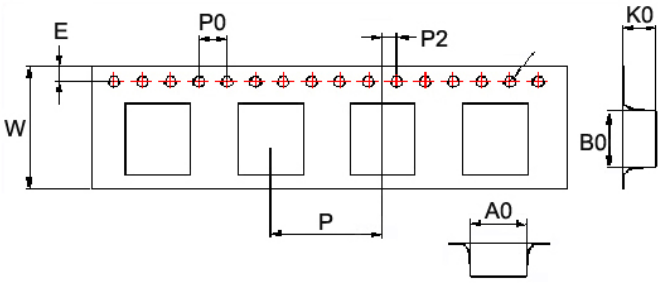




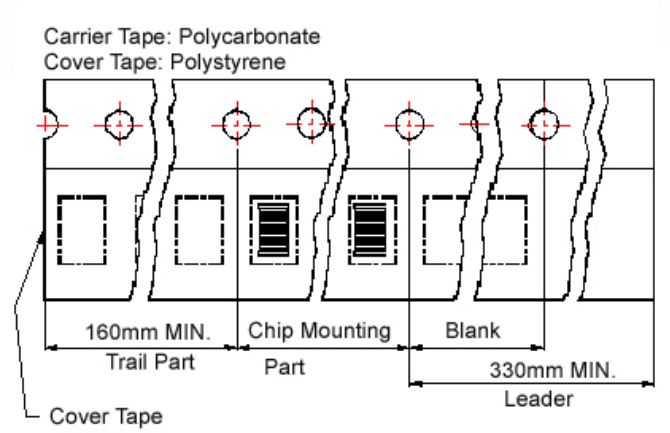
CHILISIN ELECTRONICS CORP.

Packaging Specifications

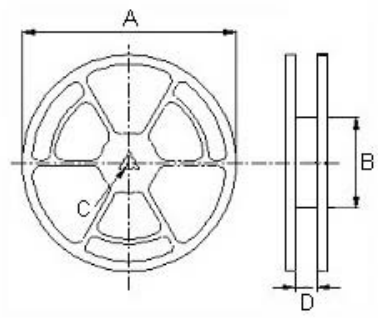
Tape Dimensions



Tape Material



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions									Reel Dimensions				Quantity
	A0	B0	K0	D	E	W	P	P0	P2	A	B	C	D	PCS / REEL
06030	6.9	7.6	3.4	1.55	1.75	16	12	4	2	330	100	13	16.0	1000