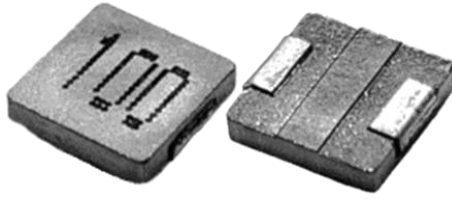


BMNI Series



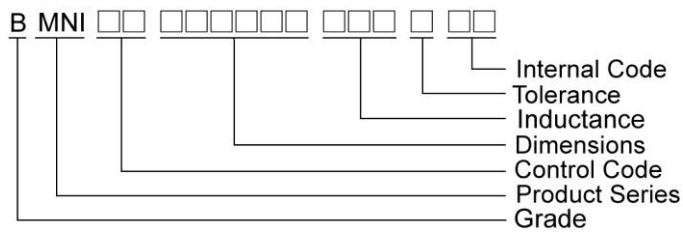
Features

- Low profile molded power inductor
- Low DC resistance and high rating current
- Low profile for limited height application e.g., LED driver
- RoHS compliant, halogen free

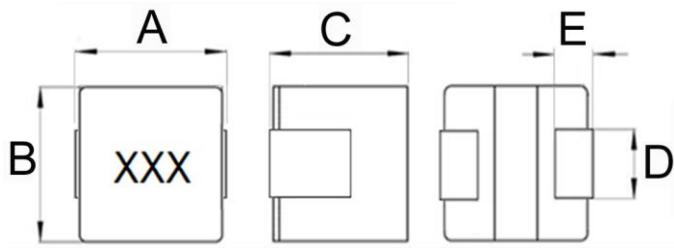
Applications

- Laptop, LCD, LED driver
- Limited height application
- DC to DC boost convertor

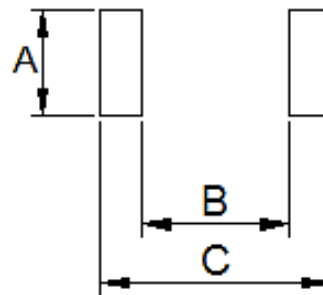
Product Identification



Shape and Dimensions



Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D	E
BMNI00040410	4.1±0.2	4.1±0.2	0.8±0.2	1.8±0.2	0.8±0.2

Dimensions in mm

TYPE	A	B	C
BMNI00040410	2.0	2.2	4.4

Molding Power Inductors – BMNI Series

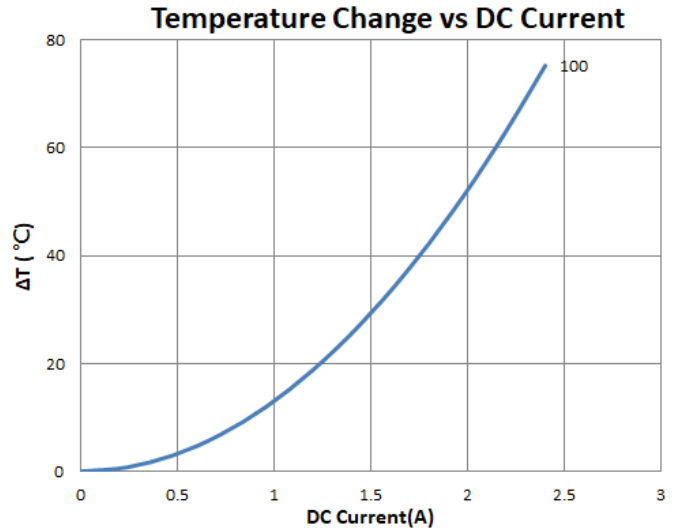
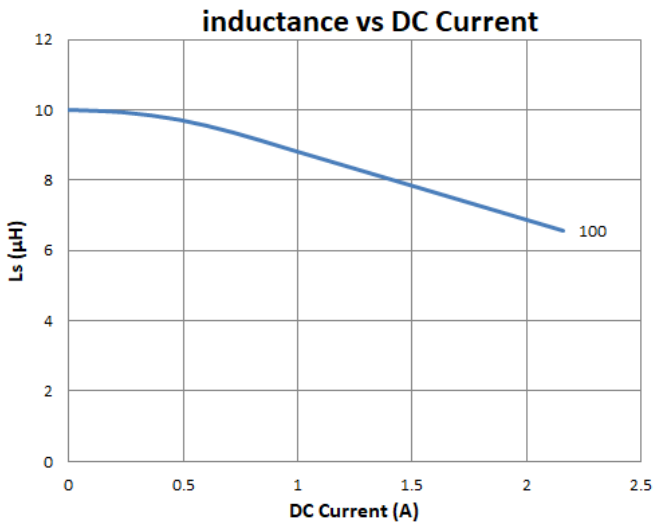
Electrical Characteristics

Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (kHz)	RDC(mΩ) Max(Typ.)	Isat (A)Typ.	Irms (A)Typ.	Marking
BMNI00040410100MQX	10	20	100	330(280)	1.75	16.5	100

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

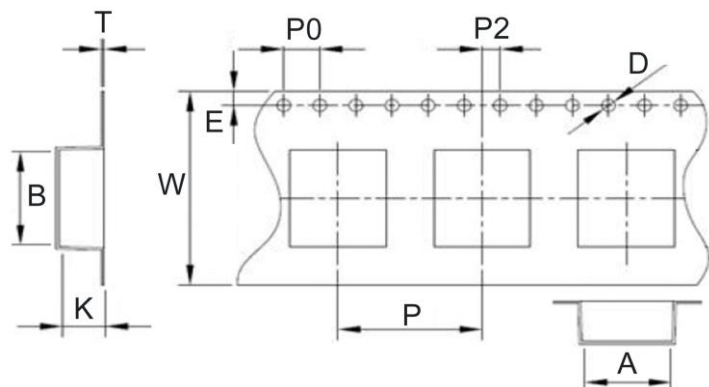
- Operating temperature range –55°C ~ 125°C (Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40°C temperature rise from 25°C ambient with current
- Measure Equipment :
 L : WK 3260B or WK 6500P, 100kHz 0.25V
 RDC : CHEN HWA 502 or CHEN HWA 46502B
 Irms : CHROMA 1810

Test Instruments : WK3260B Impedance / Material Analyzer

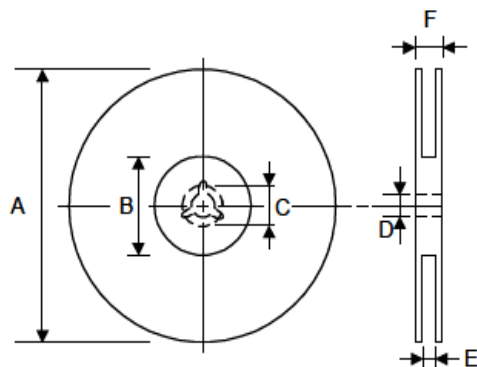


Packaging Specifications

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions										Reel Dimensions						Quantity
	A	B	K	T	D	E	W	P	P0	P2	A	B	C	D	E	F	PCS / REEL
BMNI00040410	4.3	4.4	1.6	0.35	1.5	1.75	12	8	4	2	330	100	21.5	13	12.4	17.4	2000