

# Wire-wound Metal Power Inductors MCOIL™ LBDN series

## for Telecommunications Infrastructure and Industrial Equipment

Code in front of Series have been extracted from Part number, which describes the segment of products, such as kinds and characteristics.

REFLOW

PART NUMBER

\*Operating Temp. : -40~125°C(Including self-generated heat)

L	B	D	N	D	2	0	2	0	K	K	T	1	R	0	M	M	
①	②	③	④	⑤	⑥	⑦	⑧	⑨									

## ①Series

Code (1)(2)(3)(4)	
LBDN	Wire-wound Metal Power Inductor for Telecommunications Infrastructure and Industrial Equipment

## (1) Product Group

Code	
L	Inductors

## (2) Category

Code	Recommended equipment	Quality Grade
B	Telecommunications Infrastructure and Industrial Equipment	2

## ②Features

Code	Feature
D	Bottom electrode (Ag x solder)

## ③Dimensions (L x W)

Code	Dimensions(L x W) [mm]
2020	2.0 x 2.0
3030	3.0 x 3.0
4040	4.0 x 4.0

## ④Dimensions (H)

Code	Dimensions(H) [mm]
KK	1.0
MK	1.2
WK	2.0

## (3) Type

Code	
D	Metal Wire-wound (Drum type)

## (4) Features, Characteristics

Code	
N	Standard Power choke

## ⑤Packaging

Code	Packaging
T	Taping

## ⑥Nominal inductance

Code (example)	Nominal inductance[μH]
R47	0.47
1R0	1.0
4R7	4.7

※R=Decimal point

## ⑦Inductance tolerance

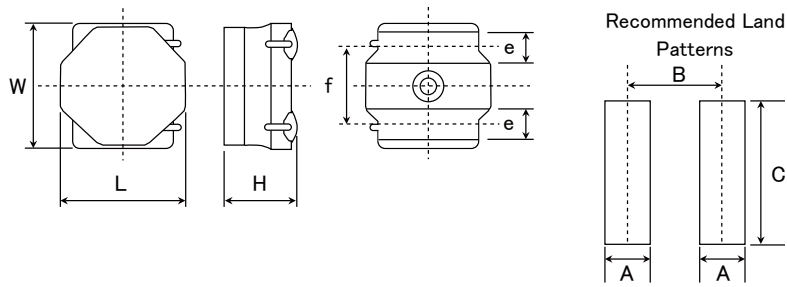
Code	Inductance tolerance
M	±20%
N	±30%

## ⑧Special code

Code	Special code
F	Ferrite coating
M	Metal coating

## ⑨Internal code

■ STANDARD EXTERNAL DIMENSIONS



Type	A	B	C
2020	0.65	1.35	2.0
3030	0.8	2.2	2.7
4040	1.2	2.8	3.7

Unit: mm

Type	L	W	H	e	f	Standard quantity [pcs] Taping
2020KK	2.0±0.15 (0.079±0.006)	2.0±0.15 (0.079±0.006)	1.0 max (0.039 max)	0.50±0.2 (0.02±0.008)	1.25±0.2 (0.049±0.008)	2500
2020MK	2.0±0.15 (0.079±0.006)	2.0±0.15 (0.079±0.006)	1.2 max (0.047 max)	0.50±0.2 (0.02±0.008)	1.25±0.2 (0.049±0.008)	2500
3030KK	3.0±0.1 (0.118±0.004)	3.0±0.1 (0.118±0.004)	1.0 max (0.039 max)	0.90±0.2 (0.035±0.008)	1.9±0.2 (0.075±0.008)	2000
3030MK	3.0±0.1 (0.118±0.004)	3.0±0.1 (0.118±0.004)	1.2 max (0.047 max)	0.90±0.2 (0.035±0.008)	1.9±0.2 (0.075±0.008)	2000
4040MK	4.0±0.2 (0.157±0.008)	4.0±0.2 (0.157±0.008)	1.2 max (0.047 max)	1.1±0.2 (0.043±0.008)	2.5±0.2 (0.098±0.008)	1000
4040WK	4.0±0.2 (0.157±0.008)	4.0±0.2 (0.157±0.008)	2.0 max (0.079 max)	1.1±0.2 (0.043±0.008)	2.5±0.2 (0.098±0.008)	700

Unit: mm (inch)