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℃(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

(3) Type

Code	
D	Metal Wire-wound (Drum type)

(4) Features, Characteristics

Code	
N	Standard Power choke

②Features

Code	Feature
D	Bottom electrode (Ag × solder)

③Dimensions (L × W)

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

④Dimensions (H)

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

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

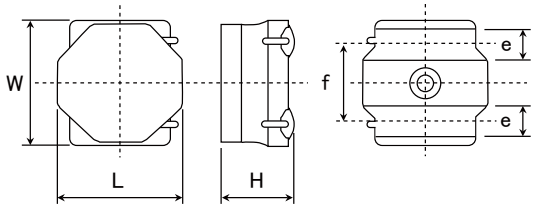
Code	Inductance tolerance
M	±20%
N	±30%

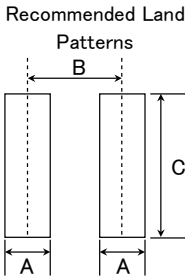
⑧Special code

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)

Mouser Electronics

Authorized Distributor

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TAIYO YUDEN:

LBDND4040MKT100MM LBDND3030MKTR47MM LBDND4040WKT4R7MM LBDND2020KKT1R0MM LBDND4040MKTR47MF LBDND4040MKT1R5MF LBDND4040WKT3R3MM LBDND3030KKT1R5MM LBDND3030MKT3R3MM LBDND4040WKTR56NM LBDND3030MKTR30MM LBDND3030KKT3R3MM LBDND4040WKT6R8MM LBDND2020KKT100MM LBDND4040MKTR68MM LBDND2020MKT3R3MM LBDND3030MKT2R2MM LBDND3030KKT2R2MM LBDND4040WKT2R2MM LBDND3030KKT100MM LBDND3030MKT4R7MM LBDND2020KKT1R5MM LBDND3030KKT4R7MM LBDND2020MKT1R5MM LBDND2020KKT4R7MM LBDND4040WKT1R0MM LBDND4040MKT1R2MF LBDND4040WKTR68MM LBDND2020MKT2R2MM LBDND4040WKT100MM LBDND2020MKT1R0MM LBDND2020KKT2R2MM LBDND3030KKT1R0MM LBDND4040WKT1R5MM LBDND2020MKTR68MM LBDND3030MKTR33MM LBDND2020MKT4R7MM LBDND4040MKT1R0MM LBDND4040MKT1R5MM LBDND2020KKT3R3MM LBDND2020KKTR68MM LBDND3030KKT6R8MM LBDND4040MKT3R3MM LBDND2020MKTR47MM LBDND4040MKT1R0MF LBDND3030MKT1R5MM LBDND3030MKT1R0MM LBDND4040MKT6R8MM LBDND4040MKT2R2MF LBDND4040MKT2R2MM LBDND2020KKTR47MM LBDND3030KKTR47MM LBDND4040MKT4R7MM