Wire-wound Metal Power Inductors MCOIL™ LSBH series for General Purpose

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〜+105℃ (Including self-generated heat)

L S B H	B	1 6 0 8	K K	T	1 R 0	M	
①	②	③	④	⑤	⑥	⑦	⑧

①Series

Code (1)(2)(3)(4)	
LSBH	Wire-wound Metal Power Inductor for General Purpose

(1) Product Group

Code	
L	Inductors

(3) Type

Code	
B	Metal Wire-wound (Horizontal type)

(2) Category

Code	Recommended equipment
S	for General Purpose

(4) Features, Characteristics

Code	
H	Hybrid power choke

②Features

Code	Feature
B	L-shape electrode (Ag-resin × Sn-plate)

⑤Packaging

Code	Packaging
T	Taping

③Dimensions (L × W)

Code	Type (inch)	Dimensions (L × W) [mm]
1608	1608 (0603)	1.6 × 0.8
2012	2012 (0805)	2.0 × 1.25
2520	2520 (1008)	2.5 × 2.0

⑥Nominal inductance

Code (example)	Nominal inductance [μH]
R24	0.24
1R0	1.0
4R7	4.7

※R=Decimal point

④Dimensions (T)

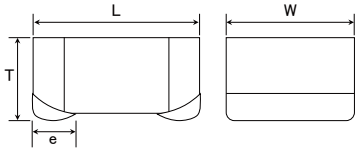
Code	Dimensions (T) [mm]
KK	1.0
MK	1.2

⑦Inductance tolerance

Code	Inductance tolerance
M	±20%
N	±30%

⑧Internal code

■STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY

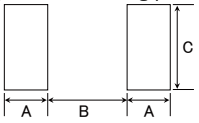


Recommended Land Patterns

Surface Mounting

・Mounting and soldering conditions should be checked beforehand.

・Applicable soldering process to these products is reflow soldering only.



Type	A	B	C
1608	0.55	0.70	1.00
2012	0.60	1.00	1.45
2520	0.60	1.50	2.00

Unit: mm

Type	L	W	T	e	Standard quantity [pcs]	
					Paper tape	Embossed tape
1608KK	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	1.0 max (0.040 max)	0.45±0.15 (0.016±0.006)	—	3000
2012KK	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	1.0 max (0.040 max)	0.5±0.2 (0.020±0.008)	—	3000
2520MK	2.5±0.2 (0.098±0.008)	2.0±0.2 (0.079±0.008)	1.2 max (0.047 max)	0.5±0.2 (0.020±0.008)	—	3000

Unit: mm (inch)