

Wire-wound Metal Power Inductors MCOIL™ LSBH series for General Electronic Equipment for Consumer

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°C (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									

① Series

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

(1) Product Group

Code	
L	Inductors

(2) Category

Code	Recommended equipment	Quality Grade
S	General Electronic Equipment for Consumer	3

② Features

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

③ Dimensions (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

④ Dimensions (T)

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

(3) Type

Code	
B	Metal Wire-wound (Horizontal type)

(4) Features, Characteristics

Code	
H	Hybrid power choke

⑤ Packaging

Code	Packaging
T	Taping

⑥ Nominal inductance

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

※R=Decimal point

⑦ Inductance tolerance

Code	Inductance tolerance
M	±20%
N	±30%

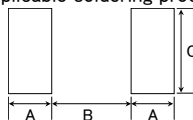
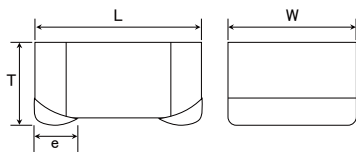
⑧ Internal code

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)

Mouser Electronics

Authorized Distributor

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