

# Wire-wound Metal Power Inductors MCOIL™ LBEN 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	E	N	A	2	5	2	0	M	K	T	1	R	0	M	
①	②	③	④	⑤	⑥	⑦	⑧									

① Series

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

(1) Product Group

Code	
L	Inductors

(3) Type

Code	
E	Metal Wire-wound (High filling type)

(2) Category

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

(4) Features, Characteristics

Code	
N	Standard Power choke

② Features

Code	Feature
A	5-surface electrode (Ag-resin × Sn-plate)

⑤ Packaging

Code	Packaging
T	Taping

③ Dimensions (L × W)

Code	Dimensions (L × W) [mm]
2016	2.0 × 1.6
2520	2.5 × 2.0

⑥ Nominal inductance

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

※R=Decimal point

④ Dimensions (T)

Code	Dimensions (T) [mm]
MK	1.2

⑦ Inductance tolerance

Code	Inductance tolerance
M	±20%

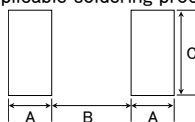
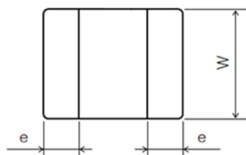
⑧ Internal code

**■ 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
2016	0.8	0.8	1.8
2520	0.85	1.2	2.2

Unit : mm

Type	L	W	T	e	Standard quantity [pcs] Taping
2016MK	2.0±0.2 (0.079±0.008)	1.6±0.2 (0.063±0.008)	1.2 max (0.047 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)	0.6±0.3 (0.020±0.012)	3000

Unit : mm (inch)

▶ This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (<http://www.ty-top.com/>).