

Wire-wound Ferrite Power Inductors LBRN 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	R	N	J	1	0	1	4	5	G	L	1	0	0	M	N	
①	②	③	④	⑤	⑥	⑦	⑧	⑨									

① Series

Code (1)(2)(3)(4)	
LBRN	Wire-wound Ferrite 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

② Feature

Code	Feature
J	Bottom electrode (Pedestal type)

③ Dimensions (L × W)

Code	Dimensions (L × W) [mm]
101	10.1 × 10.1
125	12.5 × 12.5

④ Dimensions (H)

Code	Dimensions (H) [mm]
45	4.5
55	5.5
65	6.5
75	7.5

⑤ Operating temperature

Code	Operating temperature [°C]
G	-40~+125

(3) Type

Code	
R	Ferrite Wire-wound (Drum-sleeve, pedestal type)

(4) Features, Characteristics

Code	
N	Standard Power choke

⑥ Packaging

Code	Packaging
L	Taping

⑦ Nominal inductance

Code (example)	Nominal inductance [μH]
1R0	1.0
100	10
101	100

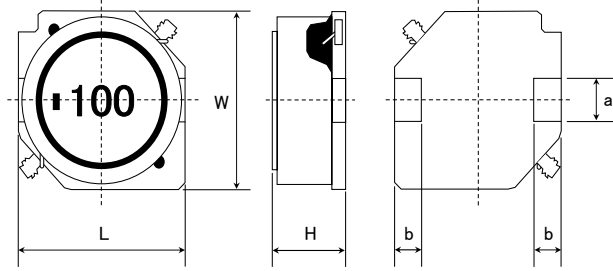
※R=Decimal point

⑧ Inductance tolerance

Code	Inductance tolerance
M	±20%
N	±30%

⑨ Internal code

■ STANDARD EXTERNAL DIMENSIONS / MINIMUM QUANTITY



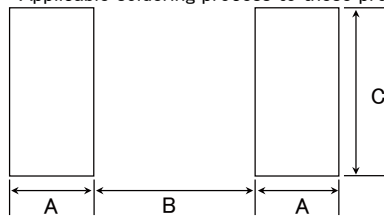
Type	L	W	H	a	b	Minimum quantity [pcs]
10145	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	4.5±0.35 (0.177±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)	2000
10155	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	5.5±0.35 (0.217±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)	2000
10165	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	6.5±0.35 (0.256±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)	2000
12555	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	5.5±0.35 (0.217±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)	2000
12565	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	6.5±0.35 (0.256±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)	2000
12575	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	7.5±0.35 (0.295±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)	2000

Unit: mm (inch)

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
10145	2.5	5.6	3.2
10155	2.5	5.6	3.2
10165	2.5	5.6	3.2
12555	2.5	8.6	3.2
12565	2.5	8.6	3.2
12575	2.5	8.6	3.2

Unit: mm