# 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	В	R	N	J	1	0	1	4	5	G	L	1	0	0	М	N		
	(1	)		(2)	-	(3)		(	4)	( <del>5</del> )	<u>(6)</u>		(7)		(8)		(9)	

(1)0	eries
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<u> </u>	
Code	
(1)(2)(3)(4)	
LBRN	Wire-wound Ferrite Power Inductor for Telecommunications Infrastructure and Industrial Equipment

## (1) Product Group

(1) I Toddot Group					
Code					
L	Inductors				

#### Code

(3) Type

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

### (2) Category

Code	Recommended equipment	Quality Grade				
В	Telecommunications Infrastructure	2				
Ь	and Industrial Equipment	2				

#### (4) Features, Characteristics

Code	
N	Standard Power choke

### 2Feature

Code	Feature
J	Bottom electrode (Pedestal type)

## 6 Packaging

Code	Packaging		
L	Taping		

## 3Dimensions (L × W)

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

## 7Nominal inductance

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

## 4Dimensions (H)

() Billione lene (11)		
	Code	Dimensions (H) [mm]
	45	4.5
	55	5.5
	65	6.5
	75	7.5

# 

## 8 Inductance tolerance

Gindactance tolerance					
Code	Inductance tolerance				
М	±20%				
N	+30%				

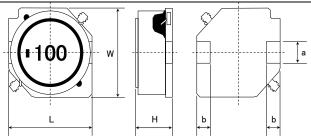
## **5**Operating temperature

Code	Operating temperature [°C]
G	<b>-40∼+125</b>

<sup>9</sup>Internal code

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/).

## ■STANDARD EXTERNAL DIMENSIONS / MINIMUM QUANTITY



Type	L	W	Н	а	b	Minimum quantity [pcs]
10145	10.1±0.3	10.1±0.3	4.5±0.35	2.8±0.1	2.0±0.15	2000
	$(0.398 \pm 0.012)$	$(0.398 \pm 0.012)$	$(0.177 \pm 0.014)$	$(0.110 \pm 0.004)$	$(0.079 \pm 0.006)$	
10155	10.1±0.3	10.1±0.3	5.5±0.35	2.8±0.1	2.0±0.15	2000
10133	$(0.398 \pm 0.012)$	$(0.398 \pm 0.012)$	$(0.217 \pm 0.014)$	$(0.110\pm0.004)$	$(0.079 \pm 0.006)$	2000
10165	10.1±0.3	10.1±0.3	6.5±0.35	2.8±0.1	2.0±0.15	2000
	$(0.398 \pm 0.012)$	$(0.398 \pm 0.012)$	$(0.256 \pm 0.014)$	$(0.110\pm0.004)$	$(0.079 \pm 0.006)$	
12555	12.5±0.3	12.5±0.3	5.5±0.35	3.0±0.1	2.0±0.15	2000
	$(0.492 \pm 0.012)$	$(0.492 \pm 0.012)$	$(0.217 \pm 0.014)$	$(0.118 \pm 0.004)$	$(0.079 \pm 0.006)$	
12565	12.5±0.3	12.5±0.3	6.5±0.35	3.0±0.1	2.0±0.15	2000
	$(0.492\pm0.012)$	$(0.492\pm0.012)$	$(0.256 \pm 0.014)$	$(0.118 \pm 0.004)$	$(0.079 \pm 0.006)$	2000
12575	12.5±0.3	12.5±0.3	7.5±0.35	3.0±0.1	2.0±0.15	2000
	$(0.492 \pm 0.012)$	$(0.492 \pm 0.012)$	$(0.295 \pm 0.014)$	$(0.118 \pm 0.004)$	$(0.079 \pm 0.006)$	2000

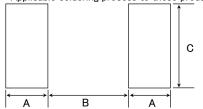
Unit:mm(inch)

## Recommended Land Patterns

Surface Mounting

•Mounting and soldering conditions should be checked beforehand.

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



Туре	Α	В	С
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

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