

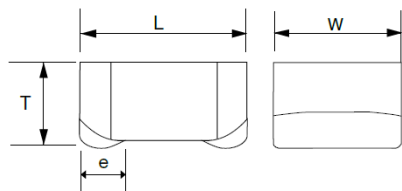


**THE DATASHEET OF
BRL3225T100K**



Inductors

BRL3225T100K



■ Features

- Item Summary
10uH±10%, 0.7A, 1210/3225 (EIA/JIS)
- Lifecycle Stage
New PN available
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs

■ Products characteristics table

Inductance	10 uH ± 10 %
Case Size (EIA/JIS)	1210/3225
Rated Current (max)	0.7 A
Saturation Current (max)	0.9 A ($\Delta L=30\%$)
Temperature Rise Current (max)	0.7 A ($\Delta T=40^{\circ}\text{C}$)
DC Resistance (max)	0.42 Ω
DC Resistance (typ)	0.35 Ω
LQ Measuring Frequency	0.1 MHz
Self Resonant Frequency (min)	70 MHz
Operating Temp. Range	-40 to +105 $^{\circ}\text{C}$ (Including-self-generated heat)
Temperature characteristic (Inductance change)	$\pm 15\%$
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	3.2 ±0.2 mm
Dimension W	2.5 ±0.2 mm
Dimension T	Max 1.7 mm
Dimension e	0.75 ±0.2 mm

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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
 TAIYO YUDEN reserves the right to make change to the data at any time without notice.
 Before making final selection, please check product specification.

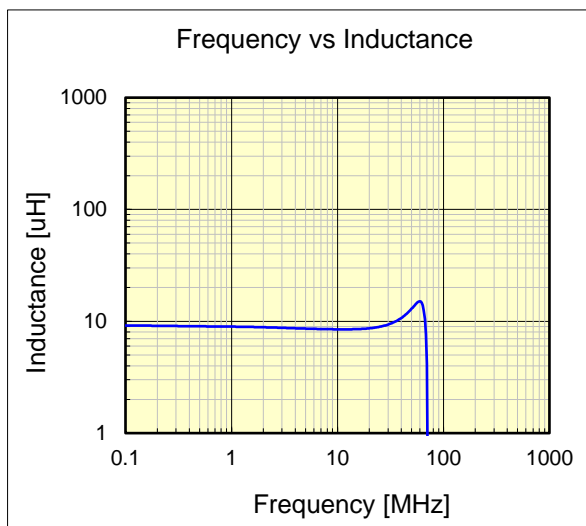
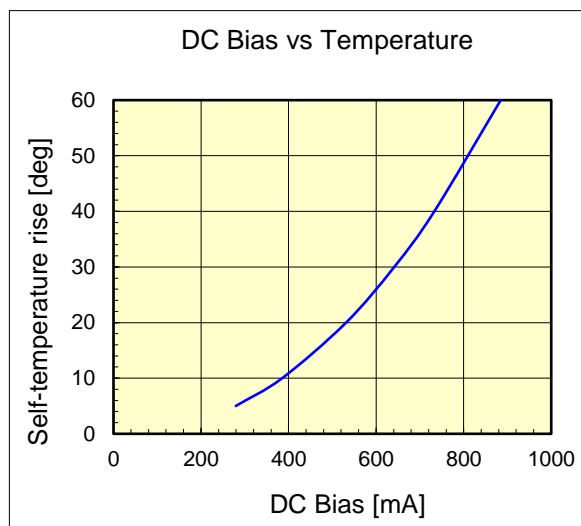
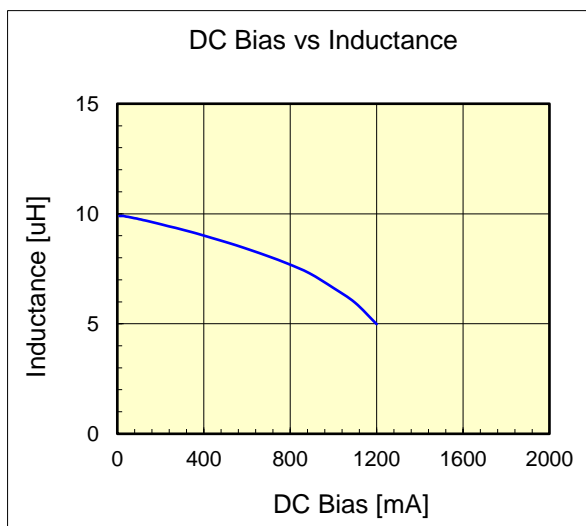
Wire-wound Chip Power Inductors (BR series)

BRL3225T100K



Dimension	unit : mm	unit : inch
Length :	3.2 +/- 0.2	(0.126 +/- 0.008)
Width :	2.5 +/- 0.2	(0.098 +/- 0.008)
Height :	1.7 max.	(0.067 max.)

Inductance :	10	uH	(test freq at 0.1MHz)
DC Resistance :	0.35 / 0.42	ohm	(typ / max)
Saturation Current :	900	mA	(max)
Temp. rise Current :	700	mA	(max)
Saturation current typical : 30% reduction from initial L value.			
Temp rise Current typical : Temperature will rise by 40 deg C			



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Please read this notice before using the TAIYO YUDEN products.



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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).
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