

Inductors

BRL2012TR47M6



■ Features

- Item Summary
0.47uH±20%, 1.5A, 0805/2012 (EIA/JIS)
- Lifecycle Stage
New PN available
- Standard packaging quantity (minimum)
Taping Embossed 3000pcs

■ Products characteristics table

Inductance	0.47 uH ± 20 %
Case Size (EIA/JIS)	0805/2012
Rated Current (max)	1.5 A
Saturation Current (max)	1.5 A (ΔL=30%)
Temperature Rise Current (max)	1.9 A (ΔT=40°C)
DC Resistance (max)	62.4 mΩ
DC Resistance (typ)	48 mΩ
LQ Measuring Frequency	6 MHz
Self Resonant Frequency (min)	500 MHz
Operating Temp. Range	-40 to +105 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 15 %
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

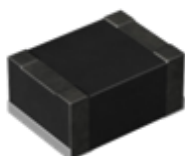
Dimension L	2.0 ±0.2 mm
Dimension W	1.25 ±0.2 mm
Dimension T	Max 1.0 mm
Dimension e	0.5 ±0.2 mm

2022.06.01

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.

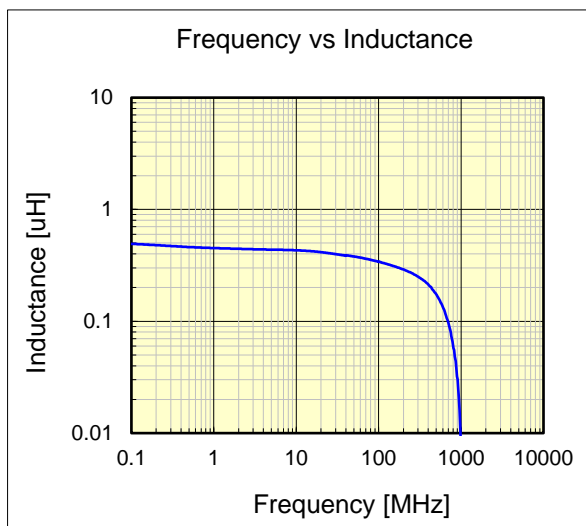
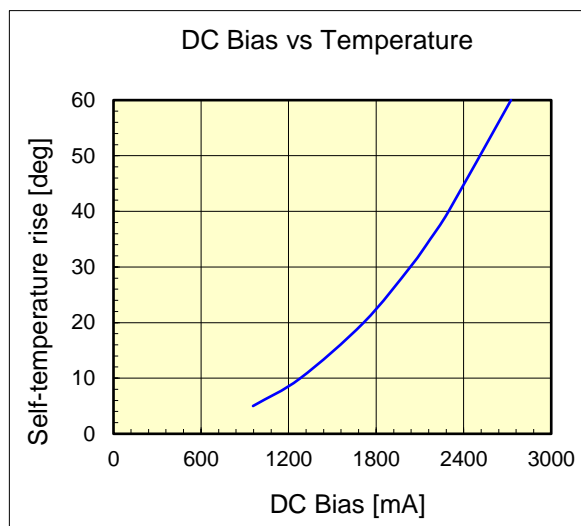
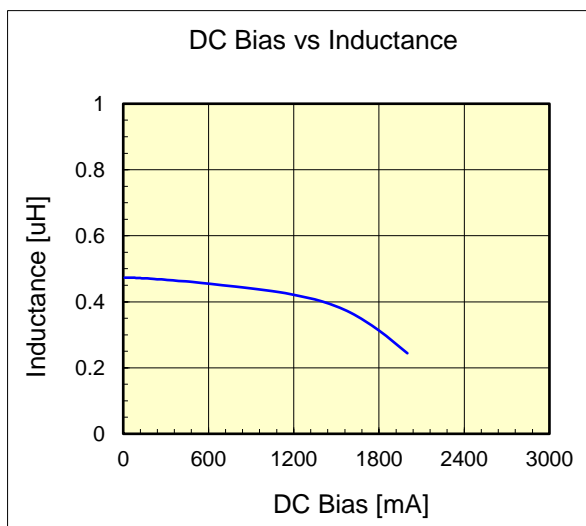
Wire-wound Chip Power Inductors (BR series)

BRL2012TR47M6



Dimension	unit : mm	unit : inch
Length :	2.0 +/- 0.2	(0.079 +/- 0.008)
Width :	1.25 +/- 0.2	(0.049 +/- 0.008)
Height :	1.0 max.	(0.039 max.)

Inductance :	0.47	uH	(test freq at 6MHz)
DC Resistance :	0.048 / 0.0624	ohm	(typ / max)
Saturation Current :	1,500	mA	
Temp. rise Current :	1,900	mA	
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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