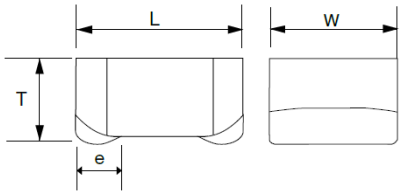
THE DATASHEET OF

BRL2012T6R8M

Spec Sheet

Inductors

BRL2012T6R8M



Features

- Item Summary

  6.8uH±20%, 0.29A, 0805/2012 (EIA/JIS)

- Lifecycle Stage

  New PN available

- Standard packaging quantity (minimum)

  Taping Embossed 3000pcs

Products characteristics table

Inductance	6.8 uH ± 20 %
Case Size (EIA/JIS)	0805/2012
Rated Current (max)	0.29 A
Saturation Current (max)	0.29 A (⊿L=30%)
Temperature Rise Current (max)	0.35 A (⊿T=40℃)
DC Resistance (max)	0.975 Ω
DC Resistance (typ)	0.75 Ω
LQ Measuring Frequency	7.96 MHz
Self Resonant Frequency (min)	60 MHz
Operating Temp. Range	-40 to +105 ℃ (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.

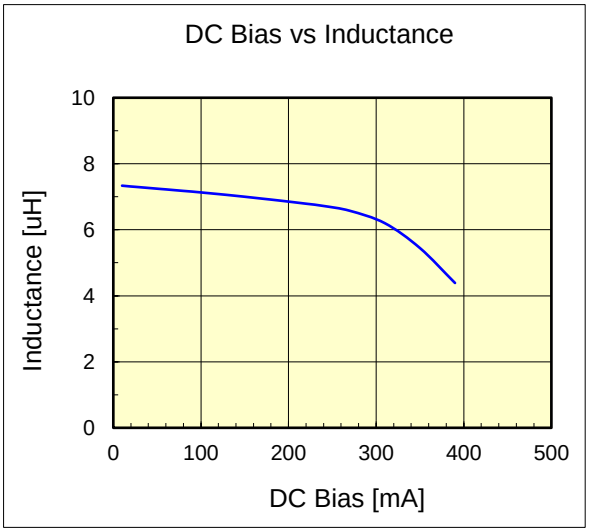
Wire-wound Chip Power Inductors (BR series)

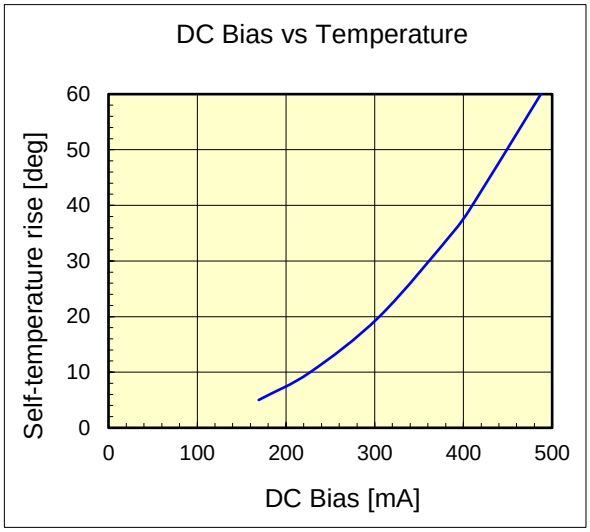
BRL2012T6R8M

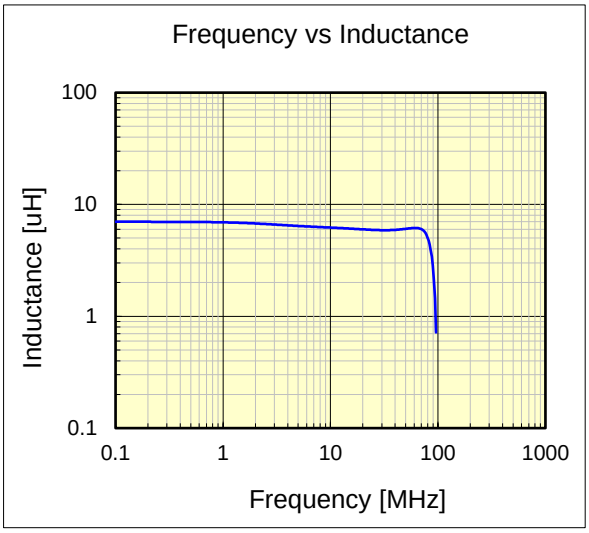
Dimension	unit : mm	unit : inch
Length :	2.0 + / - 0.2	(0.079 + / - 0.008)
Width :	1.25 + / - 0.2	(0.049 + / - 0.008)
Height :	1.0 max.	(0.039 max.)

Inductance :	6.8	uH	(test freq at 7.96MHz)
DC Resistance :	0.75 / 0.975		ohm (typ / max)
Saturation Current :	290	mA (max)	
Temp. rise Current :	350	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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