

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

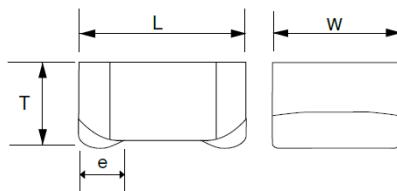
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Wire-wound Chip Power Inductors (BR series)[BRC]

BR2012T2R2MD



■ Features

- Item Summary
2.2uH±20%, 1A, 0805/2012 (EIA/JIS)
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs

■ Products characteristics table

Inductance	2.2 uH ± 20 %
Case Size (EIA/JIS)	0805/2012
Rated Current (max)	1 A
Saturation Current (max)	1.1 A
Temperature Rise Current (max)	1 A
DC Resistance (max)	0.143 Ω
DC Resistance (typ)	0.11 Ω
LQ Measuring Frequency	1 MHz
Self Resonant Frequency (min)	350 MHz
Operating Temp. Range	-40 to +105 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 15 %
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 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 1.4 mm
Dimension e	0.5 ±0.2 mm

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

2017.04.30

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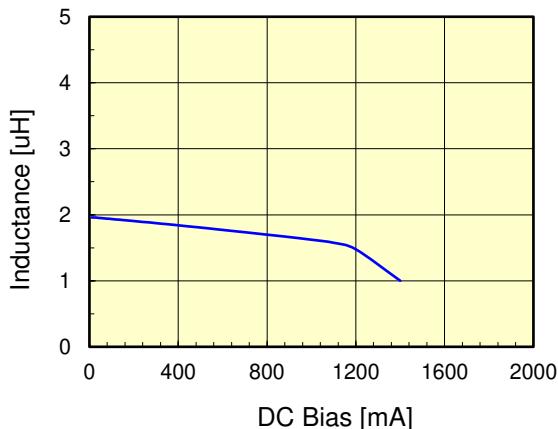


Dimension	unit : mm	unit : inch
Length	2.0 +/- 0.2	(0.079 +/- 0.008)
Width	1.25 +/- 0.2	(0.049 +/- 0.008)
Height	1.4 max.	(0.055 max.)

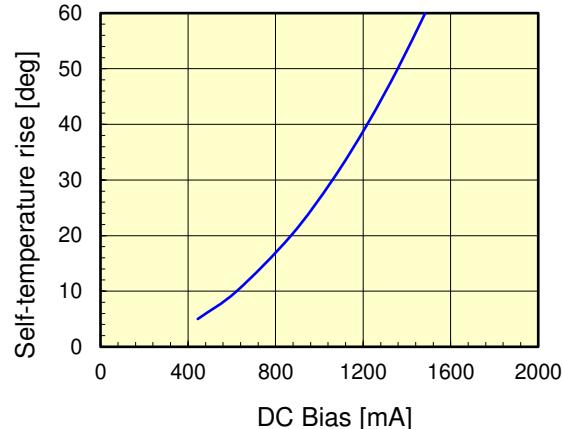
Inductance : 2.2 uH (test freq at 1MHz)
DC Resistance : 0.11 / 0.143 ohm (typ / max)
Saturation Current : 1,100 mA (max)
Temp. rise Current : 1,000 mA (max)

Saturation current typical : 30% reduction from initial L value.
Temp rise Current typical : Temperature will rise by 40 deg C

DC Bias vs Inductance



DC Bias vs Temperature



Frequency vs Inductance

