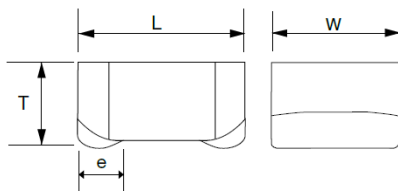


## Wire-wound Chip Power Inductors (BR series)[BRC]

## BRC2012T2R2MD



## ■ Features

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

## ■ Products characteristics table

Inductance	2.2 uH $\pm$ 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 $\Omega$
DC Resistance (typ)	0.11 $\Omega$
LQ Measuring Frequency	1 MHz
Self Resonant Frequency (min)	350 MHz
Operating Temp. Range	-40 to +105 $^{\circ}$ C (Including-self-generated heat)
Temperature characteristic (Inductance change)	$\pm$ 15 %
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

## ■ External Dimensions

Dimension L	2.0 $\pm$ 0.2 mm
Dimension W	1.25 $\pm$ 0.2 mm
Dimension T	Max 1.4 mm
Dimension e	0.5 $\pm$ 0.2 mm

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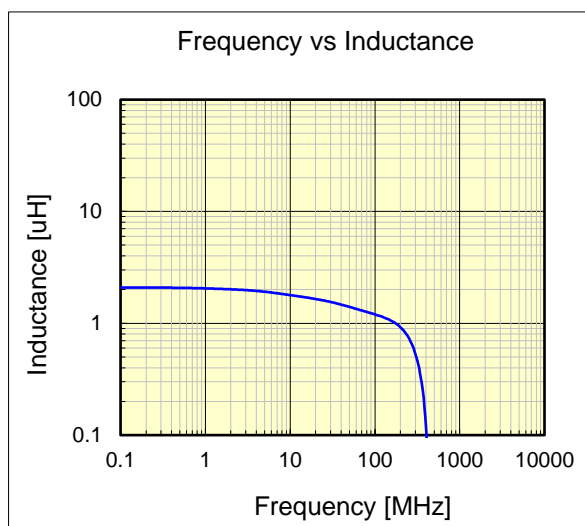
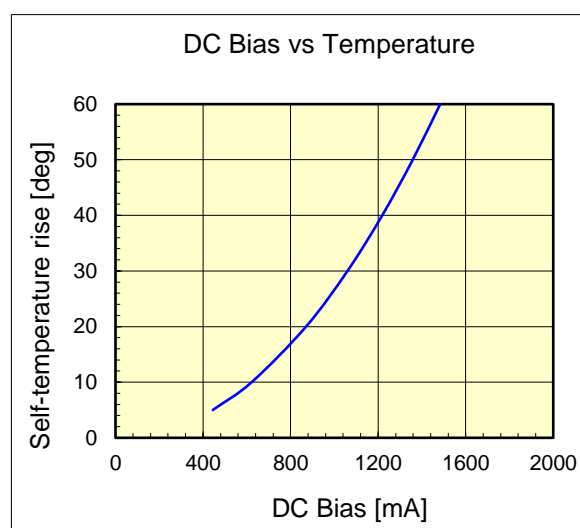
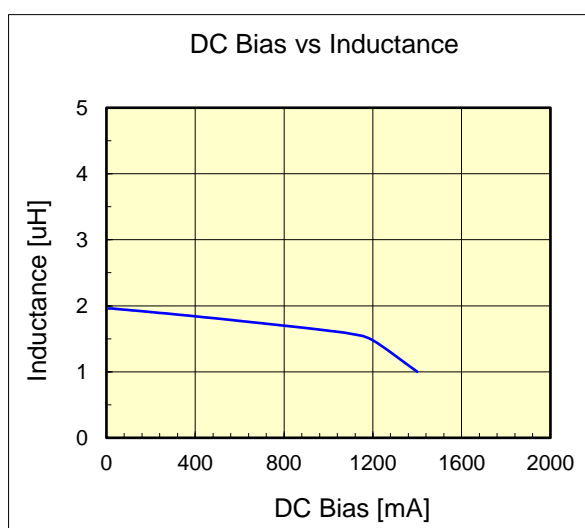
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 TAIYO YUDEN reserves the right to make change to the data at any time without notice.  
 Before making final selection, please check product specification.

## Wire-wound Chip Power Inductors (BR series)

**BRC2012T2R2MD**

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	$\mu\text{H}$	( 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			



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