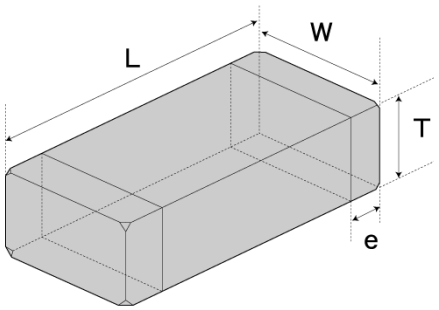
Spec Sheet

Inductors

CB2012T1R0M



Features

- Item Summary

  1.0uH±20%, 0.5A, 0805/2012 (EIA/JIS)

- Lifecycle Stage

  New PN available

- Standard packaging quantity (minimum)

  Taping Embossed 3000pcs

Products characteristics table

Inductance	1.0 uH ± 20 %
Case Size (EIA/JIS)	0805/2012
Rated Current (max)	0.5 A
Saturation Current (max)	0.5 A (⊿L=30%)
Temperature Rise Current (max)	0.9 A (⊿T=40℃)
DC Resistance (max)	0.195 Ω
DC Resistance (typ)	0.15 Ω
LQ Measuring Frequency	7.96 MHz
Self Resonant Frequency (min)	100 MHz
Operating Temp. Range	-40 to +105 ℃ (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 20 %
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	1.25 ±0.2 mm
Dimension e	0.5 ±0.2 mm

2022.06.02

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 (CB series)

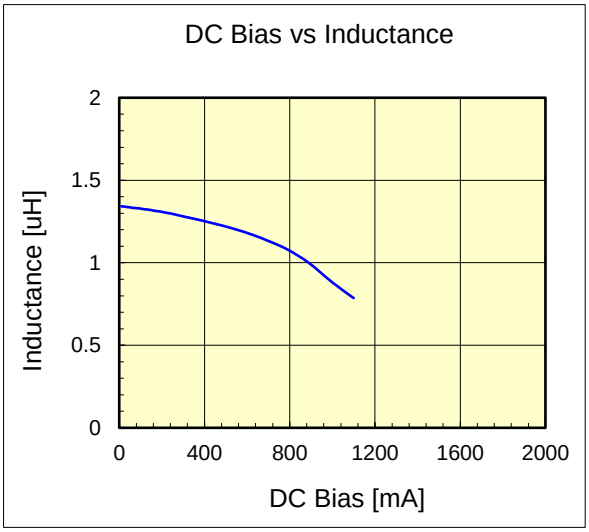
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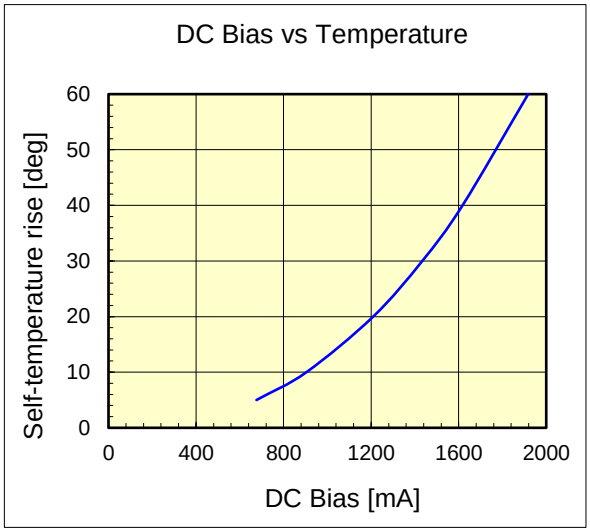


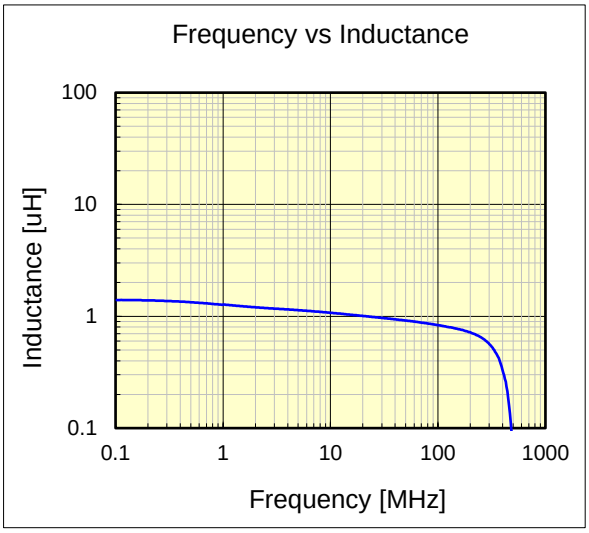
Dimension	unit : mm	unit : inch
Length :	2.0 + / - 0.2	(0.079 + / - 0.008)
Width :	1.25 + / - 0.2	(0.049 + / - 0.008)
Height :	1.25 + / - 0.2	(0.049 + / - 0.008)

Inductance :	1.0	uH	(test freq at 7.96MHz)
DC Resistance :	0.15 / 0.195		ohm (typ / max)
Saturation Current :	500	mA	
Temp. rise Current :	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 conduct validation and verification of our products in actual condition of mounting and operating environment before using our 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).
  When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.
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