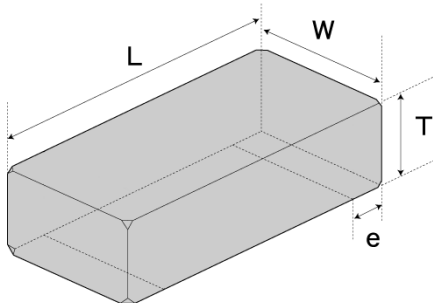


## Inductors

## CBMF1608T100K



## ■ Features

- Item Summary  
10uH±10%, 0.115A, 0603/1608 (EIA/JIS)
- Lifecycle Stage  
New PN available
- Standard packaging quantity (minimum)  
Taping Embossed 3000pcs

## ■ Products characteristics table

Inductance	10 uH ± 10 %
Case Size (EIA/JIS)	0603/1608
Rated Current (max)	0.115 A
Saturation Current (max)	0.115 A (ΔL=30%)
Temperature Rise Current (max)	0.38 A (ΔT=40°C)
DC Resistance (max)	0.468 Ω
DC Resistance (typ)	0.36 Ω
LQ Measuring Frequency	2.52 MHz
Self Resonant Frequency (min)	32 MHz
Operating Temp. Range	-40 to +105 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 25 %
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

## ■ External Dimensions

Dimension L	1.6 ±0.2 mm
Dimension W	0.8 ±0.2 mm
Dimension T	0.8 ±0.2 mm
Dimension e	0.45 ±0.15 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 data at any time without notice.  
 Before making final selection, please check product specification.

2022.06.02

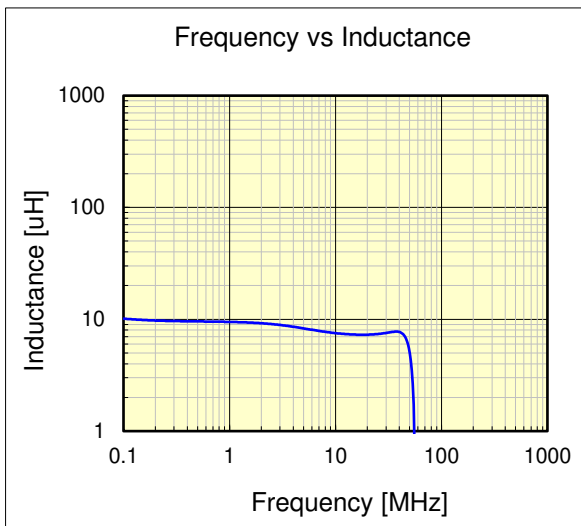
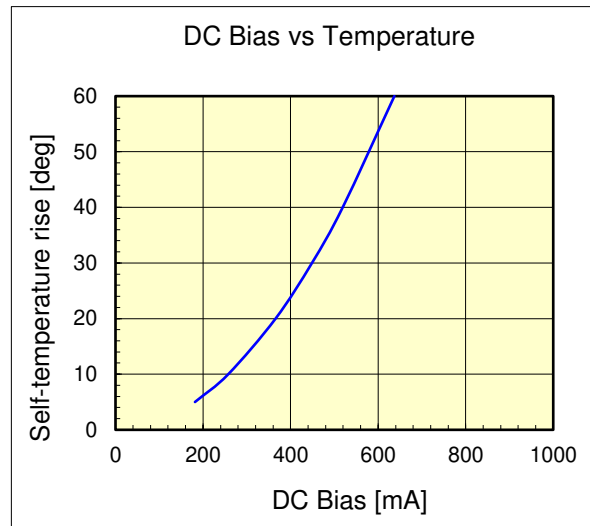
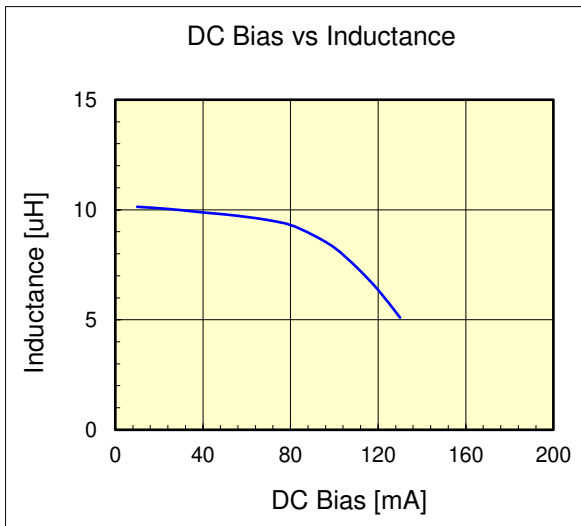
Wire-wound Chip Power Inductors (CB series)

CBMF1608T100K



Dimension	unit : mm	unit : inch
Length :	1.6 +/- 0.2	( 0.063 +/- 0.008 )
Width :	0.8 +/- 0.2	( 0.031 +/- 0.008 )
Height :	0.8 +/- 0.2	( 0.031 +/- 0.008 )

Inductance :	10	uH ( test freq at 2.52MHz )
DC Resistance :	0.36 / 0.468	ohm ( typ / max )
Saturation Current :	115	mA ( max )
Temp. rise Current :	380	mA ( max )
Saturation current typical : 30% reduction from initial L value.		
Temp rise Current typical : Temperature will rise by 40 deg C		



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.

Please read this notice before using the TAIYO YUDEN products.



### REMINDERS

- 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.  
Please note that unless you obtain prior written consent of TAIYO YUDEN, TAIYO YUDEN shall not be in any way responsible for any damages incurred by you or third parties arising from use of the product listed in this spec sheet for any equipment requiring inquiry to TAIYO YUDEN or prohibited for use by TAIYO YUDEN as described above.
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- Please note that the scope of warranty for our products is limited to the delivered our products themselves and TAIYO YUDEN shall not be in any way responsible for any damages resulting from a fault or defect in our products. Notwithstanding the foregoing, if there is a written agreement (e.g., supply and purchase agreement, quality assurance agreement) signed by TAIYO YUDEN and your company, TAIYO YUDEN will warrant our products in accordance with such agreement.
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