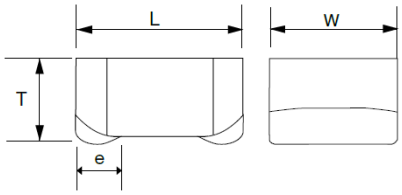
THE DATASHEET OF

BRC1608TR72M6

Spec Sheet

Inductors

BRC1608TR72M6



Features

- Item Summary

  0.72uH±20%, 0.81A, 0603/1608 (EIA/JIS)

- Lifecycle Stage

  New PN available

- Standard packaging quantity (minimum)

  Taping Embossed 3000pcs

Products characteristics table

Inductance	0.72 uH ± 20 %
Case Size (EIA/JIS)	0603/1608
Rated Current (max)	0.81 A
Saturation Current (max)	1 A (⊿L=30%)
Temperature Rise Current (max)	0.81 A (⊿T=40℃)
DC Resistance (max)	0.1872 Ω
DC Resistance (typ)	0.144 Ω
LQ Measuring Frequency	6 MHz
Self Resonant Frequency (min)	600 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	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

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.

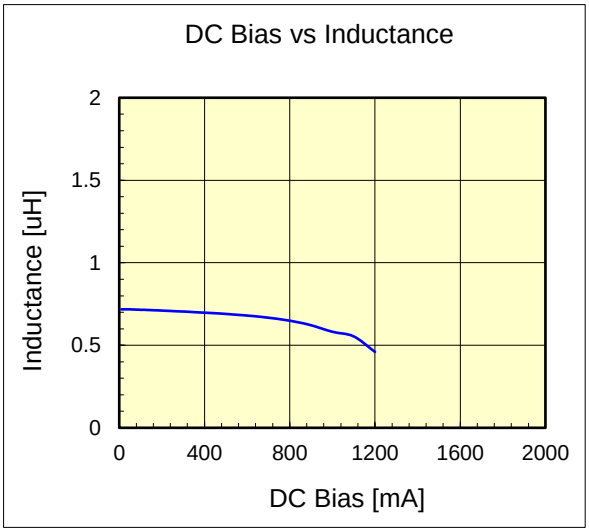
Wire-wound Chip Power Inductors (BR series)

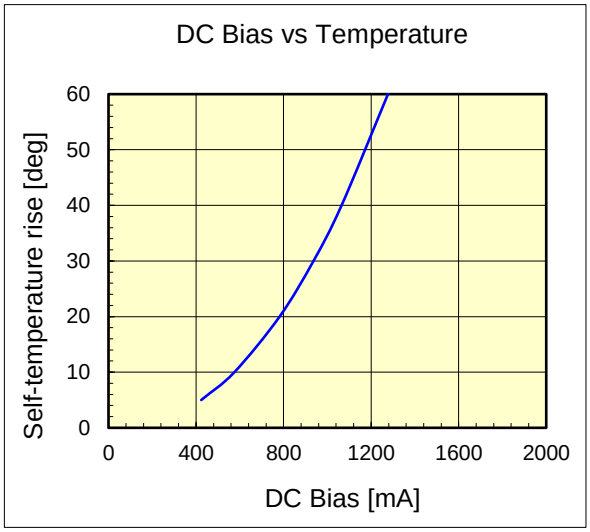
BRC1608TR72M6

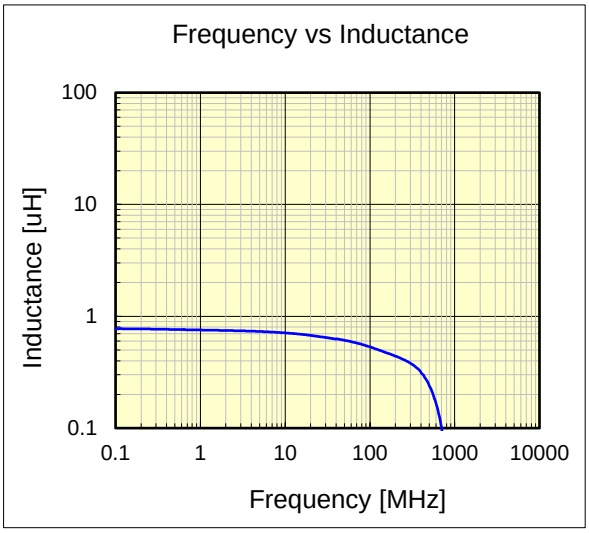
Dimension	unit : mm	unit : inch
Length :	1.6 + / - 0.2	(0.063 + / - 0.008)
Width :	0.8 + / - 0.2	(0.031 + / - 0.008)
Height :	0.8 + / - 0.2	(0.031 + / - 0.008)

Inductance :	0.72	uH	(test freq at 6MHz)
DC Resistance :	0.144 / 0.1872		ohm (typ / max)
Saturation Current :	1,000	mA	
Temp. rise Current :	810	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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