

Spec Sheet

Wire-wound Chip Power Inductors for Automotive / Industrial Applications (CB series)[CBC]

CBC2518T331KV



■ Features

- Item Summary
330uH \pm 10%, 65mA, 1007/2518 (EIA/JIS)
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs

■ Products characteristics table

Inductance	330 uH \pm 10 %
Case Size (EIA/JIS)	1007/2518
Rated Current (max)	65 mA
Saturation Current (max)	100 mA
Temperature Rise Current (max)	65 mA
DC Resistance (max)	15.99 Ω
DC Resistance (typ)	12.3 Ω
LQ Measuring Frequency	0.796 MHz
Self Resonant Frequency (min)	4.5 MHz
Operating Temp. Range	-40 to +105 $^{\circ}$ C (Including-self-generated heat)
Temperature characteristic (Inductance change)	\pm 25 %
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	2.5 \pm 0.2 mm
Dimension W	1.8 \pm 0.2 mm
Dimension T	1.8 \pm 0.2 mm
Dimension e	0.5 \pm 0.2 mm

2017.04.30

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.

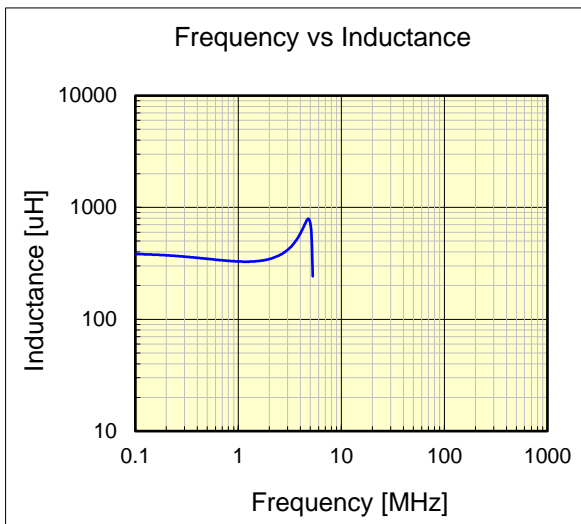
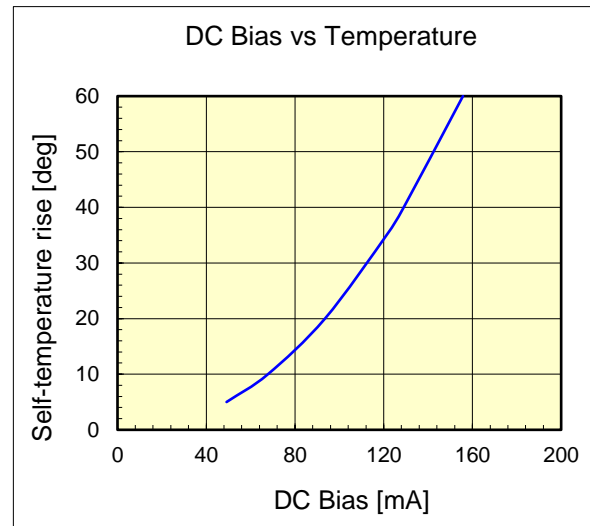
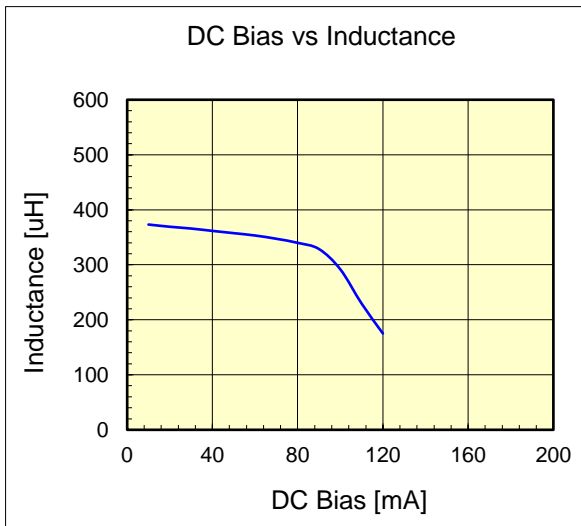
Wire-wound Chip Power Inductors for Automotive / Industrial Applications
(CB series)

CBC2518T331KV



Dimension	unit : mm	unit : inch
Length :	2.5 +/- 0.2	(0.098 +/- 0.008)
Width :	1.8 +/- 0.2	(0.071 +/- 0.008)
Height :	1.8 +/- 0.2	(0.071 +/- 0.008)

Inductance :	330	μH (test freq at 0.796MHz)
DC Resistance :	12.3 / 15.99	ohm (typ / max)
Saturation Current :	100	mA (max)
Temp. rise Current :	65	mA (max)
Saturation current typical : 30% reduction from initial L value.		
Temp rise Current typical : Temperature will rise by 20 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.