

# Spec Sheet

Wire-wound Chip Inductors for Automotive / Industrial Applications (LB series)[LBC]

## LBC2518T1R0MV



### ■ Features

- Item Summary  
1.0uH±20%, 0.775A, 1007/2518 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 2000pcs

### ■ Products characteristics table

Inductance	1.0 uH ± 20 %
Case Size (EIA/JIS)	1007/2518
Rated Current (max)	0.775 A
DC Resistance (max)	104 mΩ
DC Resistance (typ)	80 mΩ
LQ Measuring Frequency	7.96 MHz
Self Resonant Frequency (min)	100 MHz
Operating Temp. Range	-40 to +105 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 25 %
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

### ■ External Dimensions

Dimension L	2.5 ±0.2 mm
Dimension W	1.8 ±0.2 mm
Dimension T	1.8 ±0.2 mm
Dimension e	0.5 ±0.2 mm

2017.05.03

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.

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(LB series)

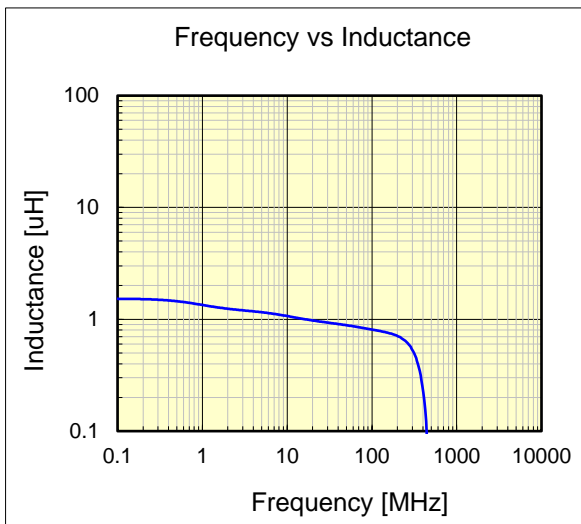
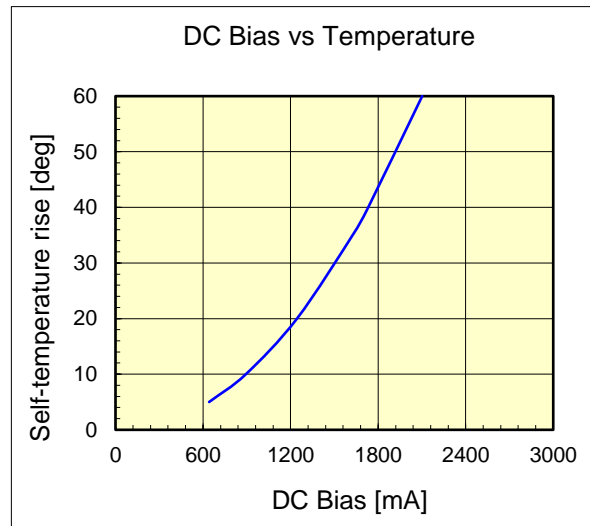
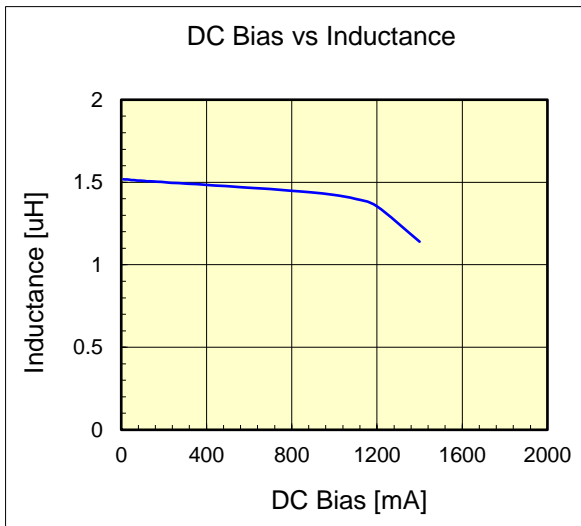
**LBC2518T1R0MV**



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 :	1.0	uH	(test freq at 7.96MHz)
DC Resistance :	0.08 / 0.104	ohm	(typ / max)
Rated Current :	775	mA	

Rated current typical : 10% reduction from initial L value.  
and Temperature will rise by 20 deg C



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