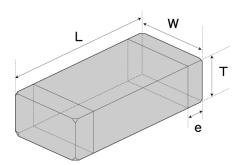
Spec Sheet

Wire-wound Chip Inductors (LB series)[LBC]

LBC2012T470M



Features

- Item Summary
 47uH±20%, 90mA, 0805/2012 (EIA/JIS)
- Lifecycle Stage
 Mass Production
- Standard packaging quantity (minimum)
 Taping Embossed 3000pcs

Products characteristics table

Inductance	47 uH ± 20 %
Case Size (EIA/JIS)	0805/2012
Rated Current (max)	90 mA
DC Resistance (max)	7.54 Ω
DC Resistance (typ)	5.8 Ω
LQ Measuring Frequency	2.52 MHz
Self Resonant Frequency (min)	11 MHz
Operating Temp. Range	-40 to +105 ℃ (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 35 %
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 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

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 Inductors (LB 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: 47 uH (test freq at 2.52MHz)
DC Resistance: 5.8 / 7.54 ohm (typ / max)

Rated Current: 90 mA

Rated current typical: 10% reduction from initial L value.

and Temperature will rise by 20 deg C

