

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

LBC2518T4R7M



■ Features

- Item Summary
4.7uH±20%, 0.51A, 1007/2518 (EIA/JIS)
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs

■ Products characteristics table

| | |
|---|---|
| Inductance | 4.7 uH ± 20 % |
| Case Size (EIA/JIS) | 1007/2518 |
| Rated Current (max) | 0.51 A |
| DC Resistance (max) | 0.26 Ω |
| DC Resistance (typ) | 0.2 Ω |
| LQ Measuring Frequency | 7.96 MHz |
| Self Resonant Frequency (min) | 41 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 |

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.

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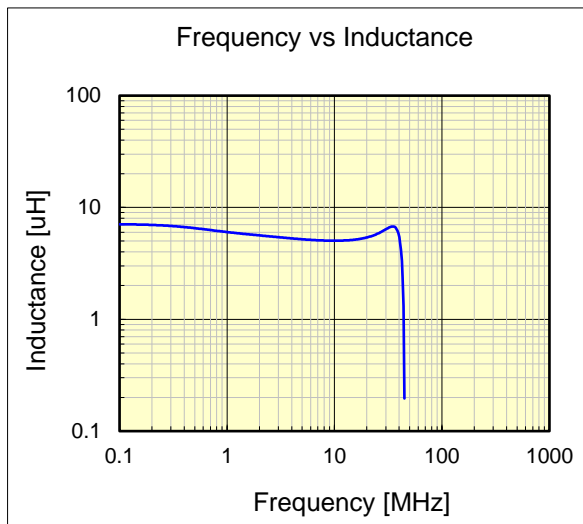
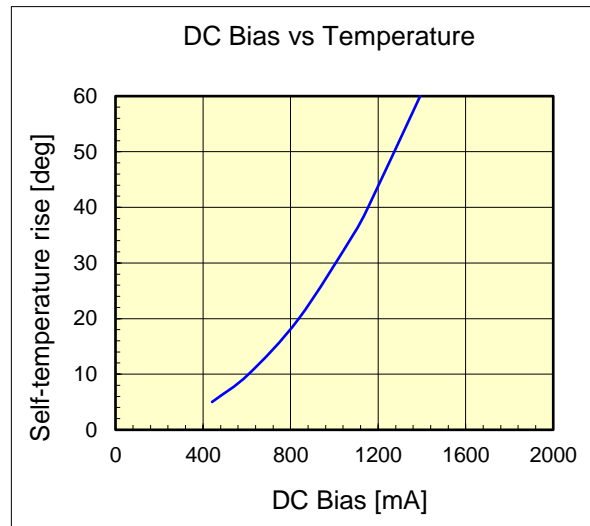
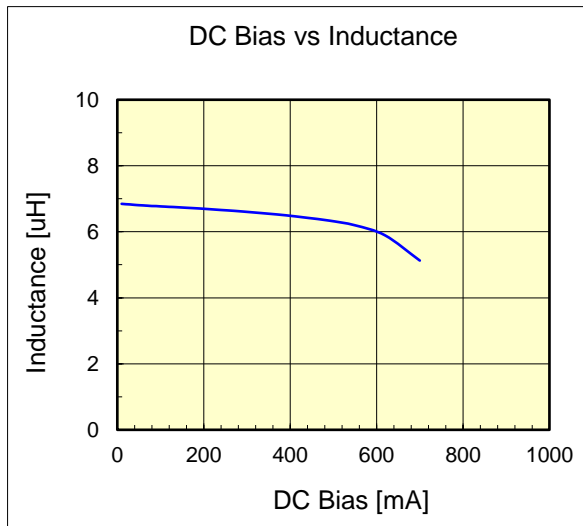
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| Dimension | unit : mm | unit : inch |
|-----------|-------------|---------------------|
| Length : | 2.5 +/- 0.2 | (0.098 +/- 0.008) |
| Width : | 1.8 +/- 0.2 | (0.071 +/- 0.008) |
| Height : | 1.8 +/- 0.2 | (0.071 +/- 0.008) |

| | | | |
|-----------------|------------|-----|--------------------------|
| Inductance : | 4.7 | uH | (test freq at 7.96MHz) |
| DC Resistance : | 0.2 / 0.26 | ohm | (typ / max) |
| Rated Current : | 510 | mA | |

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



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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).

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