

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

## LBC2518T2R2M



### ■ Features

- Item Summary  
2.2uH±20%, 0.63A, 1007/2518 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 2000pcs

### ■ Products characteristics table

|   |   |
|---|---|
| Inductance  | 2.2 uH ± 20 %                                     |
| Case Size (EIA/JIS)                               | 1007/2518   |
| Rated Current (max)                               | 0.63 A  |
| DC Resistance (max)                               | 0.169 Ω   |
| DC Resistance (typ)                               | 0.13 Ω  |
| LQ Measuring Frequency                            | 7.96 MHz  |
| Self Resonant Frequency (min)                     | 68 MHz  |
| Operating Temp. Range                             | -40 to +105 °C<br>(Including-self-generated heat) |
| Temperature characteristic<br>(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 |

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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
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 Before making final selection, please check product specification.

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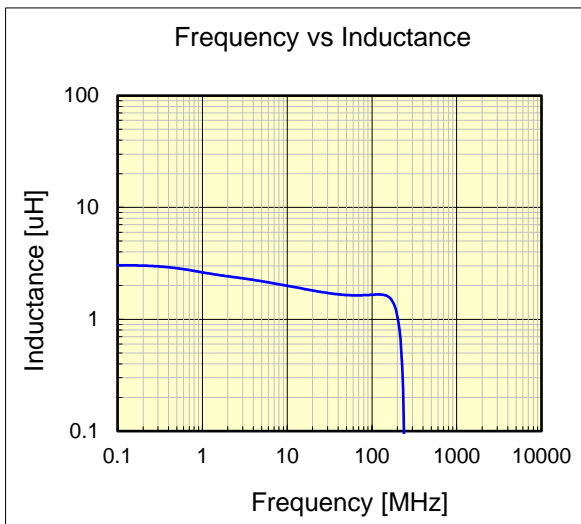
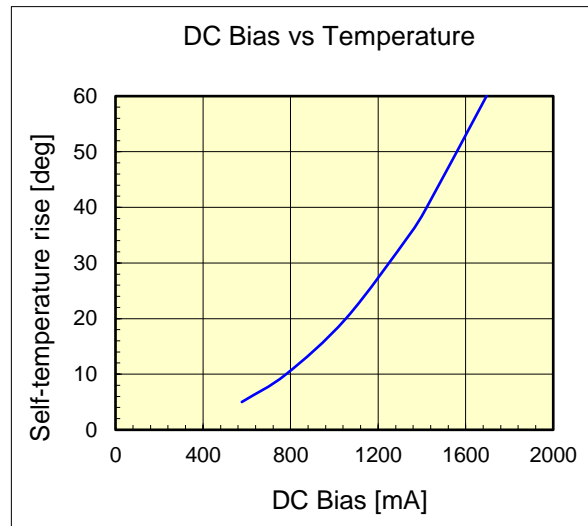
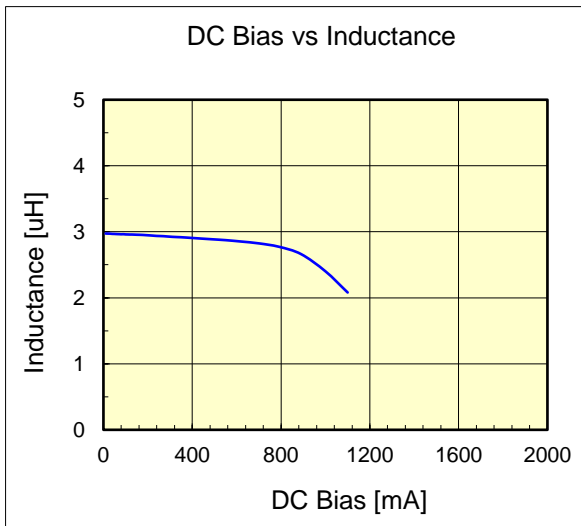
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| Dimension | unit : mm   | unit : inch       |
|-----------|-------------|-------------------|
| Length :  | 2.5 +/- 0.2 | (0.098 +/- 0.008) |
| Width :   | 1.8 +/- 0.2 | (0.071 +/- 0.008) |
| Height :  | 1.8 +/- 0.2 | (0.071 +/- 0.008) |

|                 |              |     |                          |
|-----------------|--------------|-----|--------------------------|
| Inductance :    | 2.2          | uH  | ( test freq at 7.96MHz ) |
| DC Resistance : | 0.13 / 0.169 | ohm | ( typ / max )            |
| Rated Current : | 630          | mA  |                          |

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



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