

## Wire-wound Chip Inductors for Signal Lines (LB series M type)

## LBM2016TR22J



## ■ Features

- Item Summary  
0.22uH±5%, 0.52A, 0806/2016 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 2000pcs

## ■ Products characteristics table

|   |   |
|---|---|
| Inductance  | 0.22 uH ± 5 %                                     |
| Case Size (EIA/JIS)                               | 0806/2016   |
| Rated Current (max)                               | 0.52 A  |
| DC Resistance (max)                               | 0.26 Ω  |
| DC Resistance (typ)                               | 0.2 Ω   |
| Q (min)   | 30  |
| LQ Measuring Frequency                            | 25.2 MHz  |
| Self Resonant Frequency (min)                     | 450 MHz   |
| Operating Temp. Range                             | -40 to +105 °C<br>(Including-self-generated heat) |
| Temperature characteristic<br>(Inductance change) | ± 5 %   |
| 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 | 1.6 ±0.2 mm |
| Dimension T | 1.6 ±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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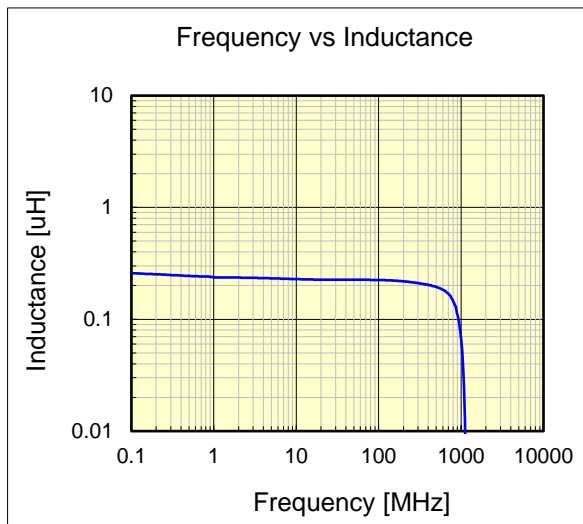
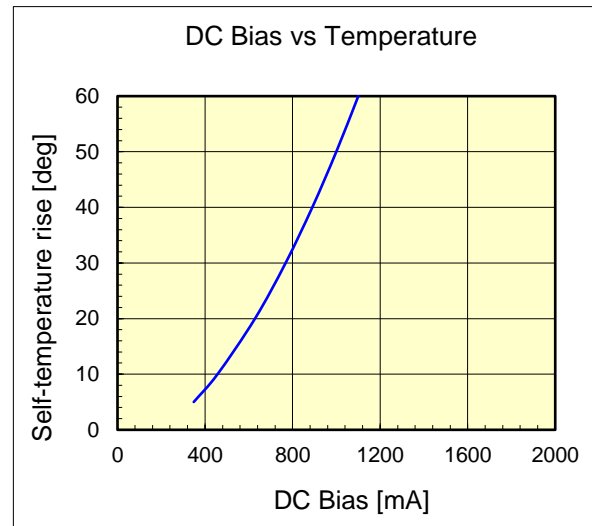
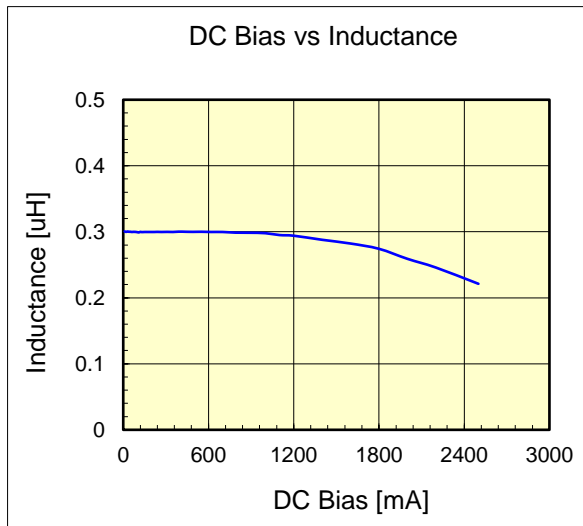
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| Dimension | unit : mm   | unit : inch         |
|-----------|-------------|---------------------|
| Length :  | 2.0 +/- 0.2 | ( 0.079 +/- 0.008 ) |
| Width :   | 1.6 +/- 0.2 | ( 0.063 +/- 0.008 ) |
| Height :  | 1.6 +/- 0.2 | ( 0.063 +/- 0.008 ) |

|                 |            |     |                          |
|-----------------|------------|-----|--------------------------|
| Inductance :    | 0.22       | uH  | ( test freq at 25.2MHz ) |
| DC Resistance : | 0.2 / 0.26 | ohm | ( typ / max )            |
| Rated Current : | 520        | mA  |                          |

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



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