

Spec Sheet

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

LBR2518T470KV



■ Features

- Item Summary
47 μ H \pm 10%, 0.12A, 1007/2518 (EIA/JIS)
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs

■ Products characteristics table

| | |
|---|---|
| Inductance | 47 μ H \pm 10 % |
| Case Size (EIA/JIS) | 1007/2518 |
| Rated Current (max) | 0.12 A |
| DC Resistance (max) | 1.092 Ω |
| DC Resistance (typ) | 0.84 Ω |
| LQ Measuring Frequency | 2.52 MHz |
| Self Resonant Frequency (min) | 11 MHz |
| Operating Temp. Range | -40 to +105 $^{\circ}$ C (Including-self-generated heat) |
| Temperature characteristic (Inductance change) | \pm 20 % |
| RoHS2 Compliance (10 subst.) | Yes |
| REACH Compliance (173 subst.) | Yes |
| Halogen Free | Yes |
| Soldering | Reflow |

■ External Dimensions

| | |
|-------------|------------------|
| Dimension L | 2.5 \pm 0.2 mm |
| Dimension W | 1.8 \pm 0.2 mm |
| Dimension T | 1.8 \pm 0.2 mm |
| Dimension e | 0.5 \pm 0.2 mm |

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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)

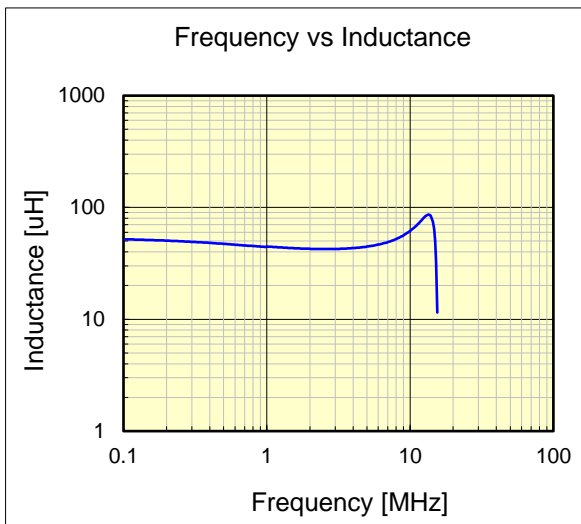
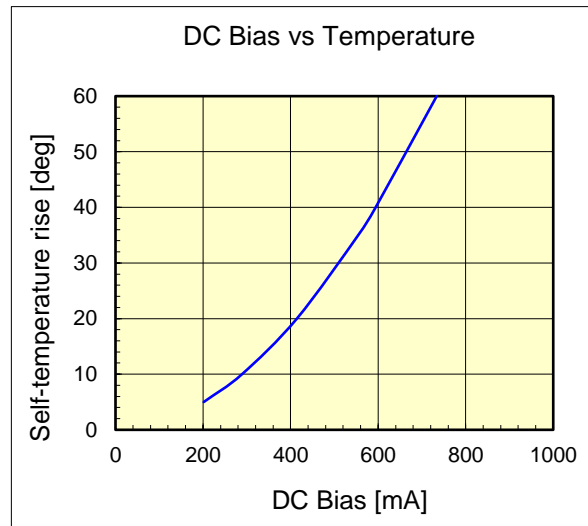
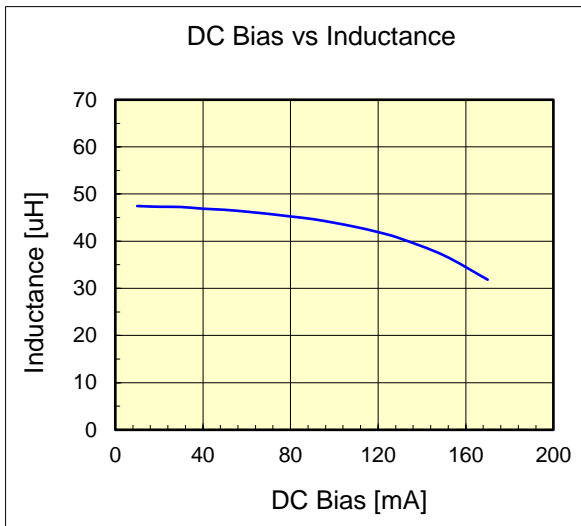
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| Dimension | unit : mm | unit : inch |
|-----------|-------------|-------------------|
| Length : | 2.5 +/- 0.2 | (0.098 +/- 0.008) |
| Width : | 1.8 +/- 0.2 | (0.071 +/- 0.008) |
| Height : | 1.8 +/- 0.2 | (0.071 +/- 0.008) |

| | | | |
|-----------------|--------------|-----|--------------------------|
| Inductance : | 47 | uH | (test freq at 2.52MHz) |
| DC Resistance : | 0.84 / 1.092 | ohm | (typ / max) |
| Rated Current : | 120 | mA | |

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



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