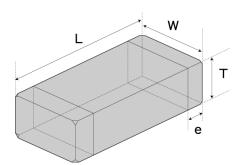
Spec Sheet

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

LBC2518T1R0M



Features

- Item Summary
 1.0uH±20%, 0.775A, 1007/2518 (EIA/JIS)
- Lifecycle Stage

Mass Production

Standard packaging quantity (minimum)
 Taping Embossed 2000pcs

Products characteristics table

| Inductance | 1.0 uH ± 20 % |
|--|--|
| Case Size (EIA/JIS) | 1007/2518 |
| Rated Current (max) | 0.775 A |
| DC Resistance (max) | 104 mΩ |
| DC Resistance (typ) | 80 mΩ |
| LQ Measuring Frequency | 7.96 MHz |
| Self Resonant Frequency (min) | 100 MHz |
| Operating Temp. Range | -40 to +105 ℃ (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 Date at any time without notice. Before making final selection, please check product specification.

Wire-wound Chip Inductors (LB series)

LBC2518T1R0M



 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: 1.0 uH (test freq at 7.96MHz)

DC Resistance: 0.08 / 0.104 ohm (typ / max)

Rated Current: 775 mA

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

and Temperature will rise by 20 deg C

