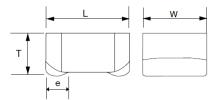
Spec Sheet

Wire-wound Chip Power Inductors (BR series)[BRC]

BRC2518T101K



Features

- Item Summary
 100uH±10%, 0.19A, 1007/2518 (EIA/JIS)
- Lifecycle Stage
 Mass Production
- Standard packaging quantity (minimum)
 Taping Embossed 2000pcs

Products characteristics table

Inductance	100 uH ± 10 %
Case Size (EIA/JIS)	1007/2518
Rated Current (max)	0.19 A
Saturation Current (max)	0.3 A
Temperature Rise Current (max)	0.19 A
DC Resistance (max)	4.68 Ω
DC Resistance (typ)	3.6 Ω
LQ Measuring Frequency	1 MHz
Self Resonant Frequency (min)	4.5 MHz
Operating Temp. Range	-40 to +105 ℃ (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 15 %
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.

-Electrical Characteristics Data-

Wire-wound Chip Power Inductors (BR series)

BRC2518T101K



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

Inductance: 100 иΗ (test freq at 1MHz) DC Resistance: 3.6 4.68 ohm (typ/max)

Saturation Current: 300 mΑ 190 Temp. rise Current: mΑ

> Saturation current typical: 30% reduction from initial L value. Temp rise Current typical: Temperature will rise by 40 deg C

