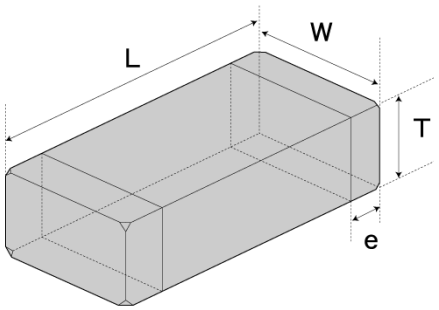
Spec Sheet

Wire-wound Chip Power Inductors for Automotive / Industrial Applications (CB series)[CBC]

CBC2518T151MV



Features

- Item Summary

  150uH±20%, 95mA, 1007/2518 (EIA/JIS)
- Lifecycle Stage

  Mass Production
- Standard packaging quantity (minimum)

  Taping Embossed 2000pcs

Products characteristics table

Inductance	150 uH ± 20 %
Case Size (EIA/JIS)	1007/2518
Rated Current (max)	95 mA
Saturation Current (max)	140 mA
Temperature Rise Current (max)	95 mA
DC Resistance (max)	7.93 Ω
DC Resistance (typ)	6.1 Ω
LQ Measuring Frequency	0.796 MHz
Self Resonant Frequency (min)	7 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

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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 :	150	uH	(test freq at 0.796MHz)
DC Resistance :	6.1 / 7.93	ohm (typ / max)	
Saturation Current :	140	mA (max)	
Temp. rise Current :	95	mA (max)	

Saturation current typical : 30% reduction from initial L value.
Temp rise Current typical : Temperature will rise by 20 deg C