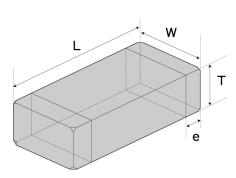
Spec Sheet

Wire-wound Chip Inductors (LB series)[LBR] LBR2518T470K



Features

- Item Summary

47uH±10%, 0.12A, 1007/2518 (EIA/JIS)

- Lifecycle Stage
- Mass Production
- Standard packaging quantity (minimum)
 Taping Embossed 2000pcs

Products characteristics table

Inductance	$47 \text{ uH} \pm 10 \%$	
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 ℃ (Including-self-generated heat)	
Temperature characteristic (Inductance change)	± 20 %	
RoHS2 Compliance (10 subst.)	Yes	
REACH Compliance (173 subst.)	Yes	
Halogen Free	Yes	
Soldering	Reflow	

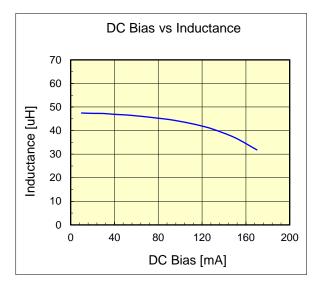
External Dimensions

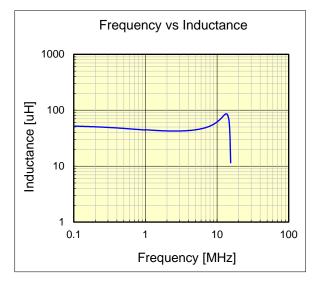
Dimension L	2.5 ±0.2 mm
Dimension W	1.8 ±0.2 mm
Dimension T	1.8 ±0.2 mm
Dimension e	0.5 ± 0.2 mm

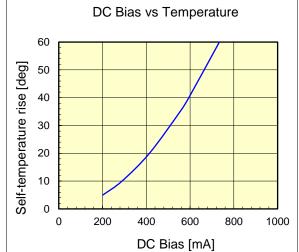
The data is reference only. Electrical characteristics vary depending on environment or measurement condition. TAIYO YUDEN reserves the right to make change to the Date at any time without notice. Before making final selection, please check product specification.

Wire-wound Chip Inductors (LB series)

	Dimension	unit : mm	unit : inch
LBR2518T470K	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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