

Product Description:
LL1212471JT (0.1 MHz – 200 MHz Super Wide Band Large Value Inductor)

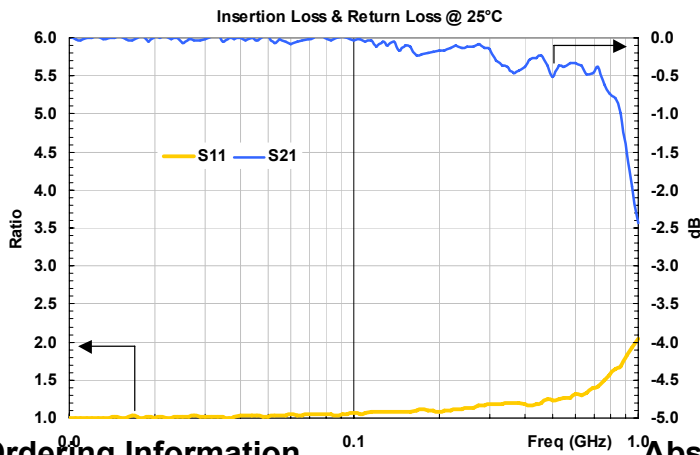


Outline:
 1212: 0.12" x 0.12" x 0.01"
 [3.0 mm x 3.0 mm x 2.5 mm]

LiConn has developed the excellent large value RF and microwave inductors in 1212 sizes with super high self-resonance frequency and low cost. The inductors offer the best solutions on the market for Wide Band Amplifier Bias, Bias-T and Other Wide Band RF/DC Combination with low cost.

The inductors can be used in varieties of circuitries such as amplifiers, mixers, oscillators, and subsystems. The inductors are designed to meet MIL-STD-202g.

Key Performance



- 0.1MHz ~ 500 MHz
- Insertion Loss: 0.1dB(Typical), 0.25dB(Max.)
- VSWR: 1.15:1(Typical), 1.25:1(Max)
- Max. 100mA Rated DC Current
- RoHS Compliant
- MLS-1 Moisture Sensitivity Level
- Standard SMT Technology

Ordering Information

Model Number	Size	Value (μH)	I _{DC, MAX} (mA)
LL1212471J-	1212	470	100
LL1212391J-	1212	390	120
LL1212331J-	1212	330	130
LL1212271J-	1212	270	150
LL1212221J-	1212	220	170

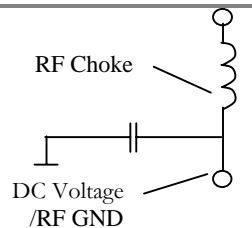
Absolute Maximum Ratings

Parameters	Units	Ratings
DC Power Supply Current	mA	100 (Max.)
RF Average Input Power	W	2
DC Resistance	Ohm	12 (Typical)
		15 (Max.)
Peak Reflow Temperature	°C	255
Storage Temperature	°C	-65 ~ +125
Operating Temperature	°C	-54 ~ +125

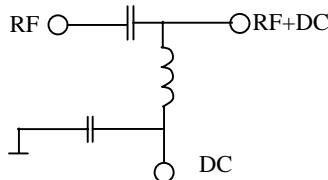
**Operation beyond any one of these parameters may cause permanent damage.*

Applications

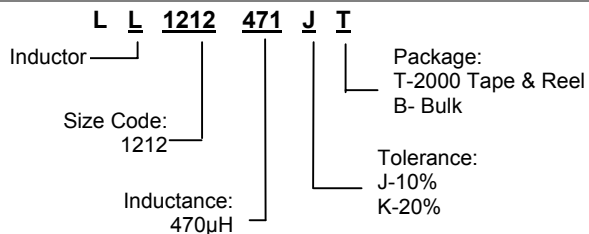
1) DC Bias For Amplifier



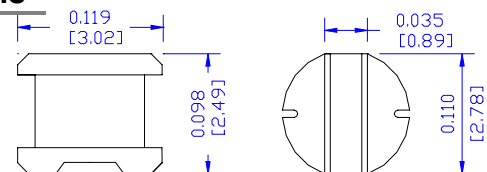
2) Wide Band Bias-T



Part Number



Dimensions



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