

**Product Description:**

**LL10086R8JT (20 MHz – 530 MHz Super Wide Band Large Value Inductor)**

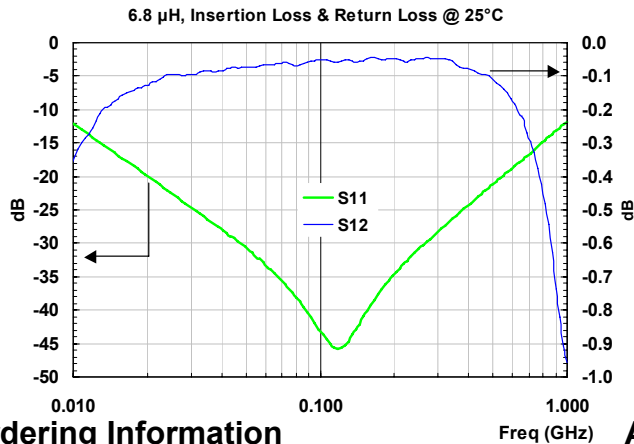


**Outline:**  
 1008: 0.10" x 0.08" x 0.07"  
 [2.5mm x 2.0 mm x 1.8 mm]

LiConn has developed the excellent large value RF and microwave inductors in 1008 sizes with super high self-resonance frequency and low cost. The inductors offer the best solutions on the market for wide band bias-T and amplifier DC biases throughout VHF band 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**



- 20 MHz ~ 530 MHz
- 0.10 dB I.L. @ 530 MHz
- Resonant Free Beyond 600 MHz
- 20.0 dB or Better Return Loss
- 175 mA Rated DC Current
- 1008 Size
- RoHS Compliant
- MLS-1 Moisture Sensitivity Level
- Standard SMT Technology

**Ordering Information**

Model Number	Size	Value (µH)	I <sub>DC, MAX</sub> (mA)
LL10086R8J-	1008	6.8	175
LL10084R7J-	1008	4.7	210
LL10083R3J-	1008	3.3	280
LL10082R2J-	1008	2.2	310
LL10081R5J-	1008	1.5	350
LL10081R0J-	1008	1.0	450

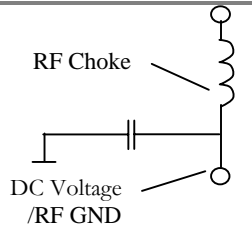
**Absolute Maximum Ratings**

Parameters	Units	Ratings
DC Power Supply Current	mA	175
RF Power as RF Choke	W	10
Minimum Self Resonance	MHz	600 MHz
Peak Reflow Temperature	°C	255
Storage Temperature	°C	-65 ~ +150
Operating Temperature	°C	-54 ~ +125

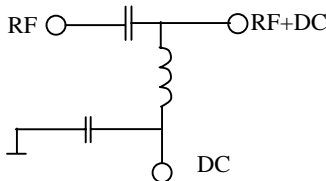
*\*Operation beyond any one of these parameters may cause permanent damage.*

**Applications**

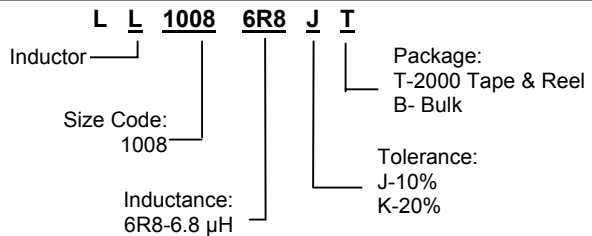
**1) DC Bias For Amplifier**



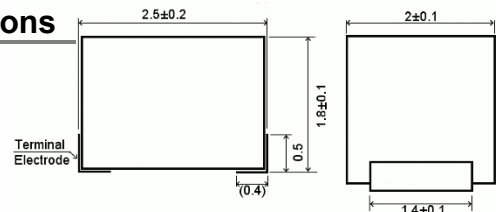
**2) Wide Band Bias-T**



**Part Number**



**Dimensions**



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