

Product Description: LL06032R2KT (20 MHz– 2000 MHz Super Wide Band Large Value Inductor)

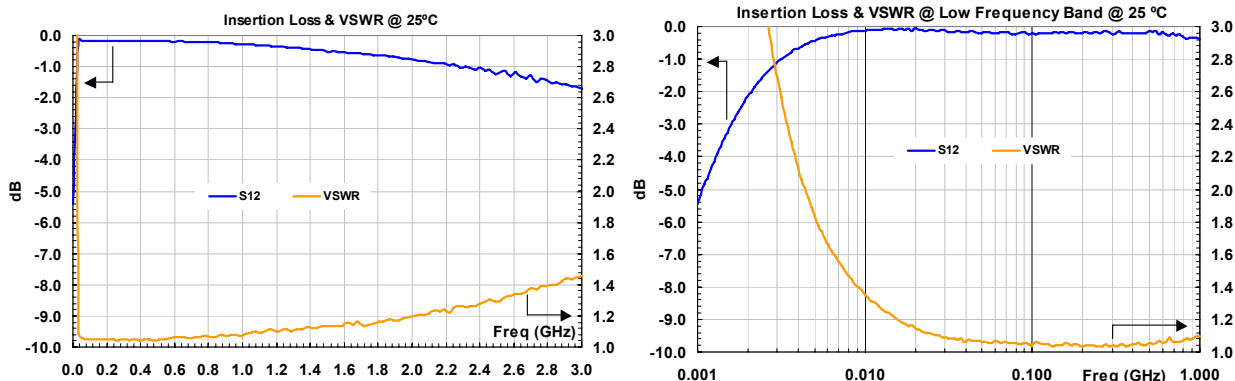


LiConn has developed the excellent large value RF and microwave inductors in 0603 sizes with super high self-resonance frequency and low cost. The inductors offer the best solutions with low cost on the market for wide band bias-T and amplifier DC biases throughout 20 MHz to 2 GHz band.

Outline:
0603:
 0.06" x 0.03" x 0.03"
 [1.5mm x 0.75 mm x 0.75 mm]

The inductors can be used in varieties of circuitries such as wide band amplifiers, push-pull amplifiers, CATV, and subsystems. The inductors are designed to meet MIL-STD-202g.

Key Performance



- 20 MHz ~ 2000 MHz
- 20.0 dB or Better Return Loss
- RoHS Compliant
- 0.50 dB I.L. @ 1600 MHz
- 120 mA Rated DC Current
- MLS-1 Moisture Sensitivity Level
- Resonant Free Beyond 6 GHz
- 0603 Size
- Standard SMT Technology

Ordering Information

Model Number	Size	Value (μH)	I _{DC, MAX} (mA)
LL06032R2K-	0603	2.2	120
LL06031R0K-	0603	1.0	150

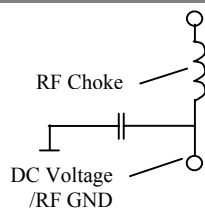
Absolute Maximum Ratings

Parameters	Units	Ratings
DC Power Supply Current	mA	120
RF Power as RF Choke	W	1
Minimum Self Resonance	MHz	6000
Peak Reflow Temperature	°C	255
Storage Temperature	°C	-65 ~ +150
Operating Temperature	°C	-54 ~ +125

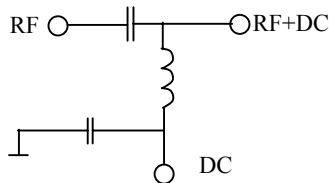
**Operation beyond any one of these parameters may cause permanent damage.*

Applications

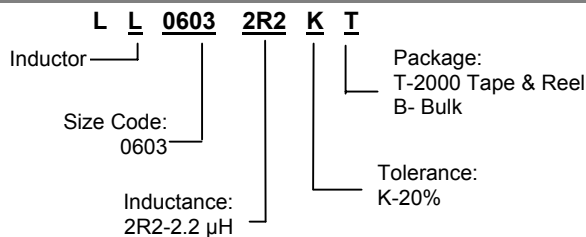
1) DC Bias For Amplifier



2) Wide Band Bias-T



Part Number



Test Circuit

