

# A New Approach to Tuning Resonant Circuits at 1GHz or higher

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- **A new and cleaner solution over variable capacitor:** Even today there lacks a very good solution for variable capacitors in the GHz range. The old technique is to first print capacitors on either side of circuit board. However the designed capacitance is always higher than needed. The unit is then tuned by removing a portion of the printed capacitor plates which results in a messy-looking PC board. Using tunable inductor would free engineers from the complexity and get a cleaner PCB.
- Yantel Tunable RF Inductor(manual) represents a new approach to tuning resonant circuits **at 1GHz or higher.**
- Yantel Tunable RF Inductor is unique and provides an innovative option to engineers.
- Applications: Frequency Tuning, RF Impedance Matching, Phase Tuning, Resonant Circuit Tuning etc.

# Unprecedented Solution for the Wireless Communications

## ( A passive SMD RF Manual Tunable Inductor )

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- **World- first** inductor to realize accurate tuning, up to 1GHz or higher frequency.
- Featuring low loss, high linearity, **high Q value**, compact size
- High handling power, high reliability, resistant to high temperature
- Widely used in Antenna, Tunable Filter, Resonant Circuit ,Phase Shifter, RF Impedance Matching etc.
- Boasting high performance and low cost, this inductor offer an unprecedented solution to tuning at 1GHz or higher frequency.



# Inductor working in RF Tuning Circuits

