



High-powered solutions for RF and microwave applications

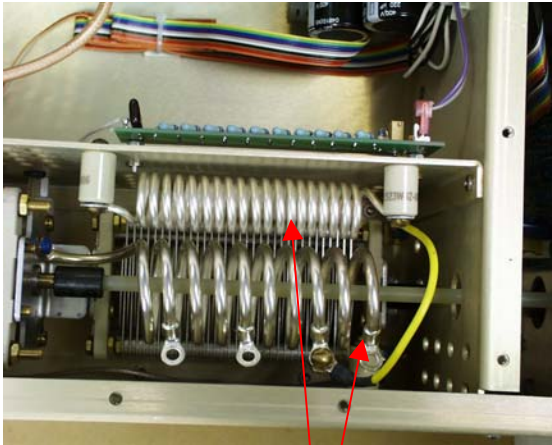
Technical Note: Installing an additional series inductor in the Model PB3 RF Power System

4/03

The images below describe the addition of an additional, fixed inductor to be connected in series with the tapped inductor inside the impedance matching network compartment on the PB-3 RF power system.

The coil is fabricated from 1/8" diameter silver plated copper refrigeration tubing. The tubing is wound over a 5/8" mandrel with each turn spaced ~ 1/2 of the tubing diameter.

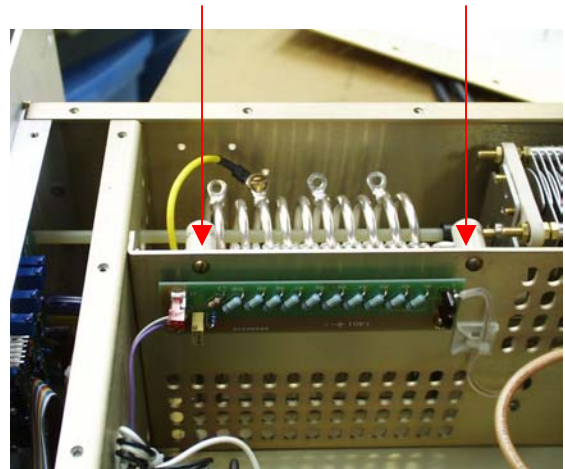
Crimp or solder lugs are used at each end to provide a mounting foot in addition to the necessary electrical connection to the existing PB3 series inductor. Ceramic standoffs are used to space the new coil away from the divider wall. The two mounting holes can be made using a hand punch. Connections can be made using Teflon insulated/silver plated #12 wire or with silver plated copper strap.



Additional fixed inductor

Existing tapped inductor

Mounting positions on divider panel



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