

N-300 Ground Isolator & Line Coupler

Product Warranty

LF Engineering Co. warrants that, at the time of shipment the products manufactured are free from defects in material and workmanship. LF Engineering obligation under this warranty is limited to replacement or repair of the product within 1 year from the date of shipment.

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LF Engineering Co.
17 Jeffery Road
East Haven, CT 06513

Model N-300 Ground Isolator & Line Coupler

Introduction:

Designed for isolating ground loops and noise, the N-300 is used between the antenna and receiver. (Not for transmitting). Bandwidth is 10 kHz to 30 MHz.

The N-300 will also work as a line coupler for local transmission of RF through the internal neutral wiring of a house or building.

The N-300 consists of a bifilar wound toroid with a 50 ohm impedance connecting the two input/outputs.

Installation:

Connect the N-300 between the antenna circuit and the receiver/coupler. Use RCA connections and shielded 50 ohm coax cable. The N-300 is bi-directional and either side can be used for input or output.

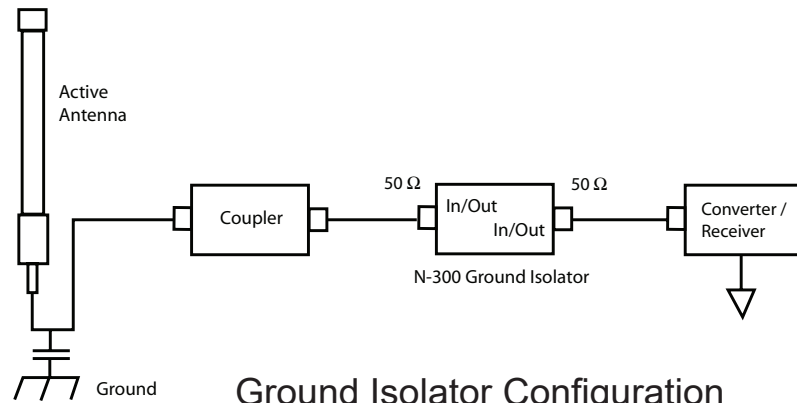
The N-300 is not recommended for operation below 10 kHz where signals become greatly attenuated.



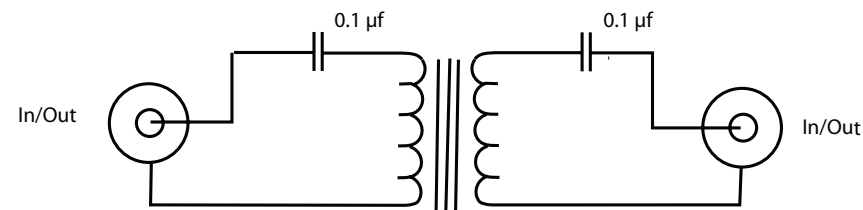
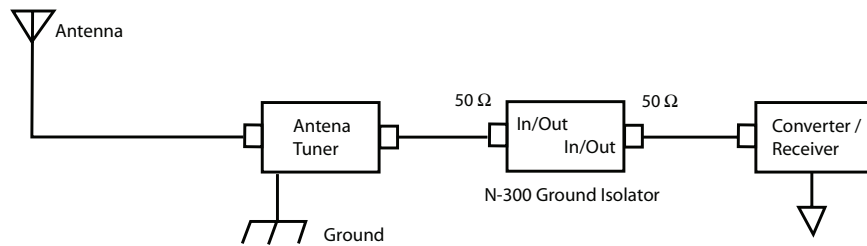
Specifications - N-300

Bandwidth	10 kHz to 30 MHz $\pm$ 3 dB
Input Impedance	50 ohms
Output Impedance	50 ohms
Winding Capacitance	30 pf typical
Isolation Resistance	> 100 meg-ohm
DC Block	0.1 μ f
Connectors	RCA type

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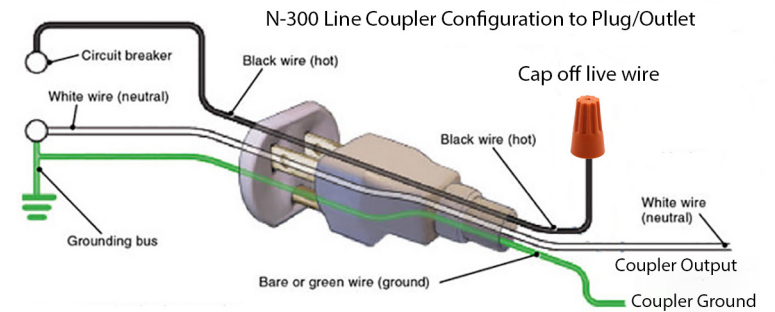


Ground Isolator Configuration

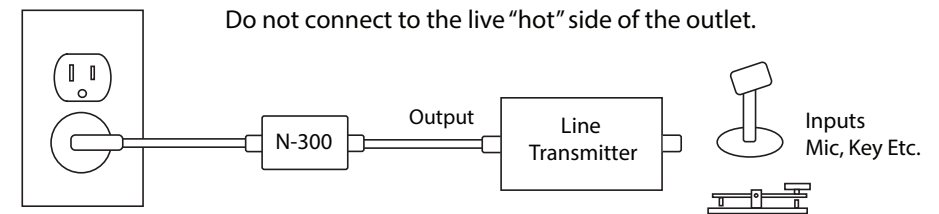


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Line Coupler Configuration



Do not use with RF filters or wall strips - signals will be attenuated.

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