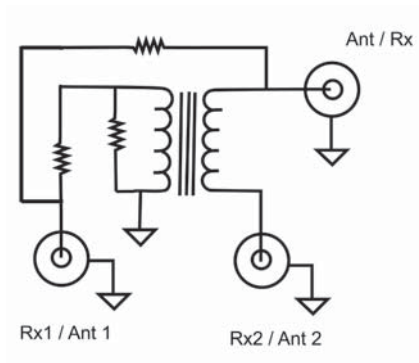


SPL-2/50L Two-Way Splitter/Combiner

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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Model SPL-2/50L VLF/HF Two-Way Splitter/Combiner

The **SPL-2/50L VLF-HF Two-Way Splitter/Combiner** provides an impedance matched 50 ohm coaxial connection for two receivers when feeding signal from one active antenna, or when combining two different antennas (L-400B and H-800), or combining an active antenna and a wire antenna into one receiver.

The splitter consists of a low loss toroid matching network designed to maintain a low impedance signal split with high isolation between ports. Proper impedance matching is necessary for optimum performance especially when running feeder cable over long distances within a building.

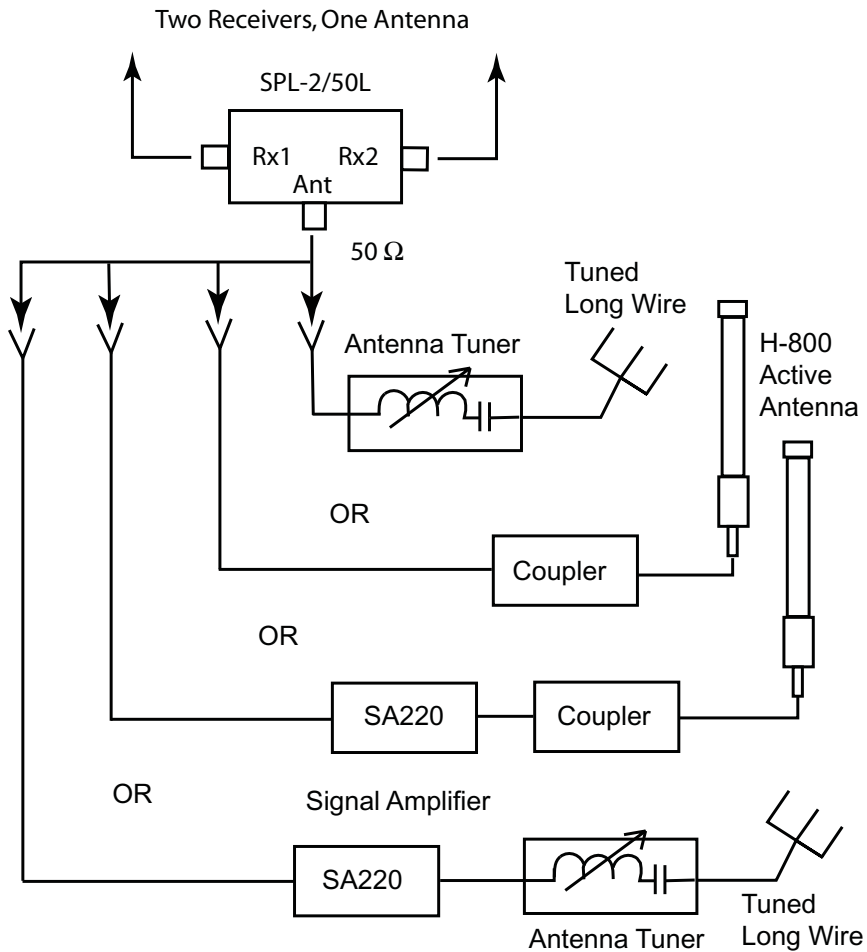


Specifications - SPL-2/50L

SPL-2 Size	2.4"L x 1.4"W x 0.75H"
Bandwidth	< 10 kHz to 30 MHz
Input Impedance	50 ohms
Output Impedance	50 ohms
Insertion Loss	< 1 dB above 6 dB splitter loss
Port Isolation	> 40 dB typical
Shorted Port Loss	< 1 dB
Maximum Power	500 mW
Connections	RCA

In splitter configuration, two receivers may be fed from one antenna. Shown below are four antenna configurations typically used with the SPL-2/50L. Use coaxial extensions in lengths up to 100 feet using 50 ohm 1/4 inch coaxial cable.

The cumulative system loss is the total loss (in dB) of all feeder and extension cables, and the splitter loss for the SPL-2/50L itself.



In combiner configuration, two different antennas may be used to feed one broadband receiver. Shown below are two suggested antenna configurations that may be used with the SPL-2/50L.

The cumulative system loss is the total loss (in dB) of all feeder and extension cables, and the splitter loss for the SPL-2/50L itself.

