

BIAS "T"

Coaxial Power Inserter

TECHNICAL DATA



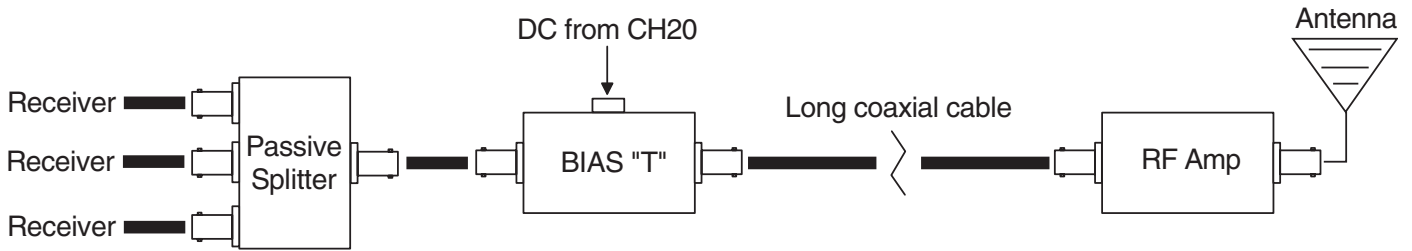
The Bias "T" is used to insert DC power into a coaxial cable to power a Lectrosonics remote antenna amplifier or filter/amplifier. It is positioned at the receiving end of the coaxial cable to pass DC power from an external source to the coaxial cable running to the antenna.

The Bias "T" consists of a feed inductor to deliver DC to the BNC connector on the antenna side and a blocking capacitor to keep DC from passing through to the receiver. The RF is connected directly from one BNC to the other with only the blocking cap in series. A locking power jack provides the connection to an external power supply such as the Lectrosonics CH20.

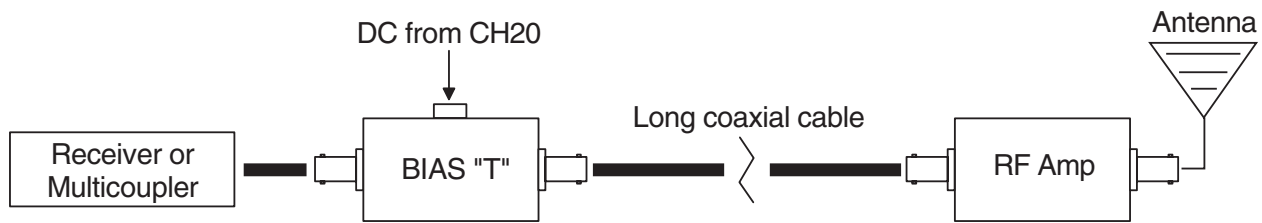
An internal blocking diode prevents damage to the Bias "T" if reverse voltage is applied. A self resetting polyfuse protects the unit from damage in the event of a short on the antenna side. Like other Lectrosonics products with a polyfuse, removing the power from the unit for a few seconds will reset the fuse.



Example Hookup Diagrams



Passive Splitter Example



Direct Connection Example

Specifications

Connections:

- 2.1 mm locking micro for DC power jack
- BNC for antenna and receiver

Safety Features:

- Reverse polarity protection
- Auto-resetting polyfuse protects against shorts on the antenna side

Freq Range:

- 60 MHz to 950 MHz +/- 1dB
- 150 MHz to 850 MHz +/- 0.5dB

Dimensions:

3.7" x 1.6" x 1.2"

Power Requirements:

Lectrosonics CH20 or 9-16 VDC, 150 mA, center pin positive

Weight:

3.4 ozs

