

TCR-MBA-50v2 Remote Bias Tee System

The Tricom Research **TCR-BT-02** Remote Bias Tee System combines RF signals and DC power onto a single coax cable. This allows an RF power amplifier to be remotely located using only a single coax interface cable. At the remotely located amplifier, a second “reverse” Bias Tee separates the RF and DC signals for operation with the TCR-MBA-50v2.

Locating the TCR-MBA-50v2 remotely puts the PA’s output power and Low Noise Amplifier (LNA) at the antenna improving transmit power and receive noise figure.



**Part #: 11000-00921, TCR-BT-02:
Bias Tee Adapter for TCR-MBA-50v2 (Complete System)**

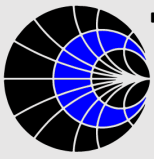
**Part #: 11000-00922, TCR-BT-02-1:
Bias Tee Adapter for TCR-MBA-50v2 (Radio End Only)**

**Part #: 11000-00923, TCR-BT-02-2:
Bias Tee Adapter for TCR-MBA-50v2 (TCR-MBA-50v2 End Only)**

FEATURES

- Places the PA at the antenna for improved RF performance
- Single coax interface cable
- Recessed on/off button to eliminate breakage
- DC INPUT, DC ON, and TX LEDs
- DC over-current protection
- Weatherproof, rugged design for military applications





GENERAL SPECIFICATIONS

DC Input 10-32 VDC
Indicators DC INPUT
 DC ON (Radio and Amplifier Ends)
 TX

Radio End Connectors

DC Input MS3102E-14S-5P
 RF Input TNC
 RF+DC Output N Type

Amplifier End Connectors

DC Output MS3102E-14S-5S
 RF Output TNC
 RF+DC Input N Type

Dimensions

TCR-BT-02-1 Radio End 1.5" H x 3" W x 3" D
 TCR-BT-02-2 Antenna End 1.9" H x 0.82" W x 3.2" D
 Weight <1 lb each

