



**TRICOM**  
**RESEARCH, INC.**

**TCR-BT-01**

## **TCR-MBA-50 Remote Bias Tee System**

The Tricom Research TCR-BT-01 Remote Bias Tee System combines RF signals and DC power onto a single coax cable. This allows an RF power amplifier to be located remotely 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-50 or other power amplifier.

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



**Part # 11000-00735 System**

**Part # 11000-00736 Radio End**

**Part # 11000-00737 Amplifier End**

Amplifiers are sold separately

### **FEATURES:**

- Covers full 30-512Mhz spectrum
- Places the PA at the antenna
- Interoperable with (TCR-BIAS-50-100) Bias Tee as well as AM-SAT-50, AM-SAT-100 and TCR-MBA-75 NBT amplifiers.
- Recessed on/off button to eliminate breakage
- DC Input, DC On and TX LED's
- DC over current protection
- Rugged, weather proof housing

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## GENERAL SPECIFICATIONS

<b>DC Input:</b>	10-32 VDC
<b>Indicators:</b>	DC Power applied DC Power on TX (PA TX current detected)
<b>Radio End Connectors:</b>	
DC Input	MS3102E-14S-5P (same as AM-SAT-50 Bias Tee)
RF Input	BNC
RF + DC Output	Type N
<b>Amplifier End Connectors:</b>	
DC Output	MS3102E-14S-5S
RF Output	BNC
RF + DC Input	Type N
<b>Dimensions:</b>	
TCR-BT-01-1 Radio End:	1.5" H x 3" W x 3" D
TCR-BT-01-2 Antenna End:	1.5" H x 3" W x 2.5" D
Weight	<1 Lb each

