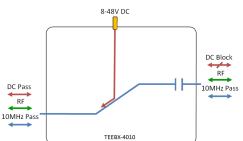


Model Number: TEEBX-4010

Wide-Band Bias TEE



DC inject via filter-con up to 5A

Available with RF connector options:

- $50 \Omega SMA$
- 50 Ω N-type
- $50~\Omega$ BNC
- 75 Ω BNC
- 75 Ω F-type



DC External DC powering

Compact

housed in rugged compact enclosure

| RF Parameters | | | | | | | | |
|--------------------------|------|--------------|------------|---------|------------|-----------|--|--|
| TEEBX-4010-XXXX | | S5S5 | N5N5 | B5B5 | B7B7 | F7F7 | | |
| Frequency Range | | 1 - 4200 MHz | | | 1-3000 MHz | | | |
| RF Connectors | | 50Ω SMA | 50Ω N-Type | 50Ω BNC | 75Ω F-type | 75Ω BNC | | |
| Mean Insertion Loss (dB) | | 1 ± 0.5 | 1 ± 0.5 | 1 ± 0.5 | 1.25± 0.5 | 1.25± 0.5 | | |
| Flatness ± (dB) | | ± 0.6 | ± 0.6 | ± 0.8 | ± 0.8 | ± 0.8 | | |
| Input Return Loss | Тур. | 14 dB | 14 dB | 14 dB | 14 dB | 14 dB | | |
| | Max | 10 dB | 10 dB | 10 dB | 8 dB | 8 dB | | |
| Output Return Loss | Тур. | 14 dB | 14 dB | 14 dB | 14 dB | 14 dB | | |
| | Max | 10 dB | 10 dB | 10 dB | 8 dB | 8 dB | | |

10MHz Insertion loss is $0 \pm 3dB^*$ 10MHz Rejection is $20dB^*$ to ports which are applicable

Broadcast

Marine Oil & Gas



SNG & VSAT



Satellite Teleport



www.etlsystems.com V 2.4 E&OE



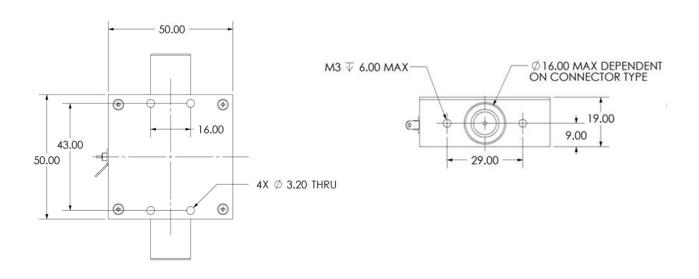
Technical specifications and operating parameters

| Environmental | | | | |
|-----------------------|--------------------|--|--|--|
| Operating Temperature | 0°C to 45°C | | | |
| Storage Temperature | -20°C to +75°C | | | |
| Location | Indoor use Only | | | |
| Humidity | 85% non-condensing | | | |
| Altitude | 10,000 feet | | | |

| Max Operating Parameters | | | | | |
|--------------------------|----------------------------|--|--|--|--|
| Input RF Power | +20 dBm (100mW) | | | | |
| DC Voltage | 60V on any RF port | | | | |
| DC Current | 5A Max 2A Max @ 50-60 V | | | | |

Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions



Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.











Model Number: **TEEBX-4010**

L-Band Bias Tee

DC Connector Options

We are able to offer the following options for connecting external DC power supplies:

Option 1

As standard our units are supplied with a feed-thru port for external soldering of power supply cable.

Option 2

For a Male Molex DC connector supplied on the Bias TEE please use the model number and add "/1" eg. TEEL1-4007-N5N5/1

Option 3

For a Female Molex socket and cable assembly please use the model number: CABMLX-1500-F or refer to the ETL accessories section on our website.





External Power Supplies

| PSU Range | | | | | | | |
|------------------------------|---------------------|-----------------|---------------------------|--|--|--|--|
| Model Number | Input | Output | Other | | | | |
| PSU12F125-9701-SLP | 100-240V (AC), 0.6A | 12V (DC), 1.25A | Solder pin output | | | | |
| PSU12F125-9701-ML2 | 100-240V (AC), 0.6A | 12V (DC), 1.25A | Female 3 pin Molex socket | | | | |
| PSU48F150-9703-SLP | 100-240V (AC), 2.5A | 48V (DC), 3.13A | Solder pin output | | | | |
| PSU48F150-9703-ML2 | 100-240V (AC), 2.5A | 48V (DC), 3.13A | Female 3 pin Molex socket | | | | |
| Pricing available on request | | | | | | | |

PSU12F125-9701



Broadcast

Marine Oil & Gas





www.etlsystems.com

V 2.4 E&OE