

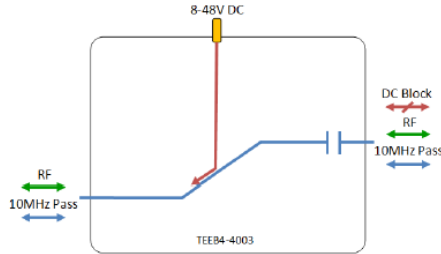


RF Components

Model Number:  
**TEEB4-4003**

# Broad-Band Bias Tee

## 500 - 2500MHz



- 10MHz pass
- 48V & 5A DC rated

Available with RF connector options:

- 50  $\Omega$  SMA
- 50  $\Omega$  N-type
- 50  $\Omega$  BNC
- 75  $\Omega$  BNC
- 75  $\Omega$  F-type.

**Flexible Mounting**  
Tapped screw & through hole mounting options

**Compact**  
Housed in rugged compact enclosure

**500 - 2500 MHz**  
Operating frequency range. L-Band ready

**DC**  
External DC powering



RF Parameters					
TEEB4-4003-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range	500 - 2500 MHz				
RF Connectors	50 $\Omega$ SMA	50 $\Omega$ N-Type	50 $\Omega$ BNC	75 $\Omega$ BNC	75 $\Omega$ F-Type
Mean Insertion Loss (dB)	0.2 $\pm$ 0.2	0.2 $\pm$ 0.2	0.2 $\pm$ 0.2	0.4 $\pm$ 0.3	0.4 $\pm$ 0.3
Flatness $\pm$ (dB)	0.25	0.25	0.25	0.6	0.6
Input Return Loss (dB)	Typ.	14	14	14	10
	Min	10	8	8	8
Output Return Loss (dB)	Typ.	14	12	12	10
	Min	10	8	8	8

10MHz Insertion Loss is up to 3dB above the Mean Insertion Loss\*  
\*To ports which are applicable

### Broadcast



### Marine Oil & Gas



### SNG & VSAT



### Satellite Teleport

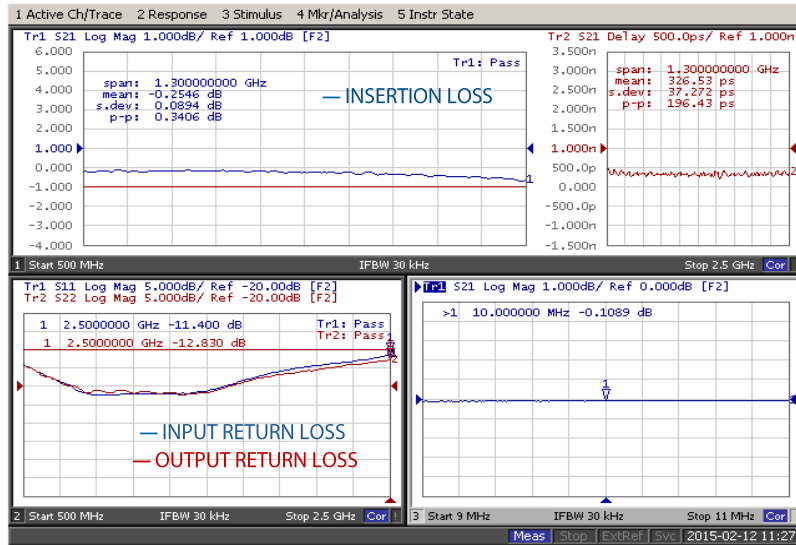




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### Technical specifications and operating parameters

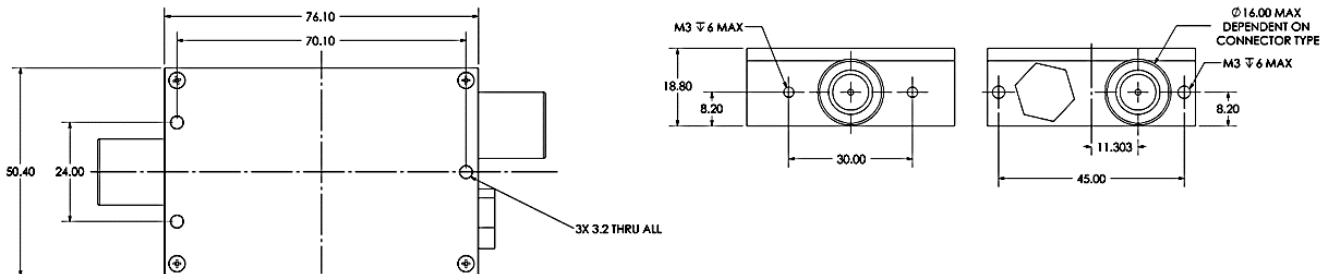


Environmental	
Operating Temperature	0°C to +45°C
Storage Temperature	-20°C to +75°C
Location	Indoor use Only
Humidity	Max 85% non-condensing
Altitude	Max 10,000 feet

Max Operating Parameters	
Input RF Power	+37dBm (5W)
DC Voltage	48V on any RF port
DC Current	5A BNC & N-type, 3A F-type & SMA

**!** Operation beyond these limits may cause instantaneous and permanent damage.

### Physical Dimensions (mm)



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

ETL SYSTEMS LIMITED  
Coldwell Radio Station  
Madley  
Hereford  
England HR2 9NE

TELEPHONE  
+44 (0)1981 259020  
  
EMAIL  
info@etlsystems.com

FACSIMILE  
+44 (0)1981 259021  
  
WEB  
www.etlsystems.com





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### 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" e.g. 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
PSU120V02-9702-SLP	100-240V (AC), 1.2A	12V to 24V (DC), 5A	Solder pin output
PSU120V02-9702-ML2	100-240V (AC), 1.2A	12V to 24V(DC) 5A	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



PSU120V02-9702



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