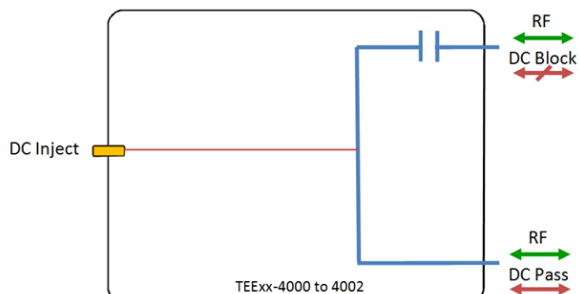




Model Number:
TEEL1-4000

RF Components

L-Band Bias Tee



- 28V & 500mA DC rated
- Fitted with LED bias indicator

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type

Flexible Mounting
Tapped screw & through hole mounting options

Compact
housed in rugged compact enclosure

DC
External DC powering

850-2150 MHz
operating frequency range. L-Band ready

RF Parameters					
TEEL1-4000-XXXX	S5S5	N5N5	B5B5	B7B7	F7F7
Frequency Range	850 - 2150 MHz				
RF Connectors	50 Ω SMA	50 Ω N-Type	50 Ω BNC	75 Ω BNC	75 Ω F-Type
Mean Insertion Loss (dB)	0.2 $\pm$ 0.2	0.2 $\pm$ 0.2	0.2 $\pm$ 0.2	0.6 $\pm$ 0.3	0.6 $\pm$ 0.3
Flatness $\pm$ (dB)	0.35	0.35	0.35	0.5	0.5
Input Return Loss (dB)	Typ.	18	16	15	10
	Min	14	14	14	8
Output Return Loss (dB)	Typ.	16	16	15	10
	Min	10	10	10	8

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





RF Components

Model Number:

TEEL1-4000

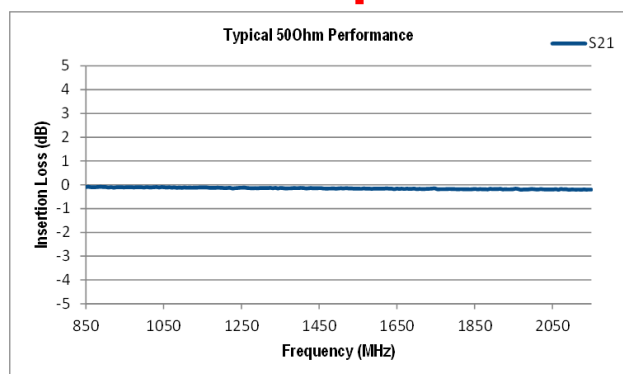
10MHz L-Band Bias Tee

Technical specifications and operating parameters

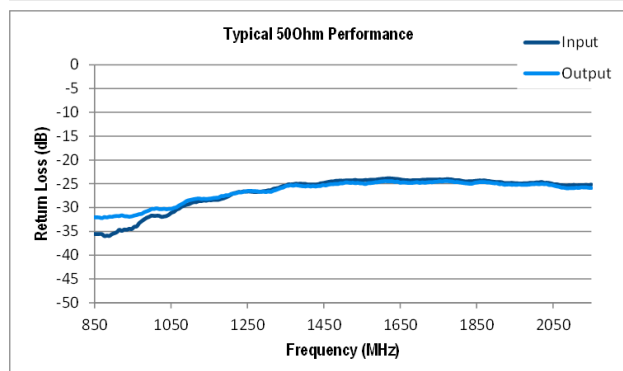
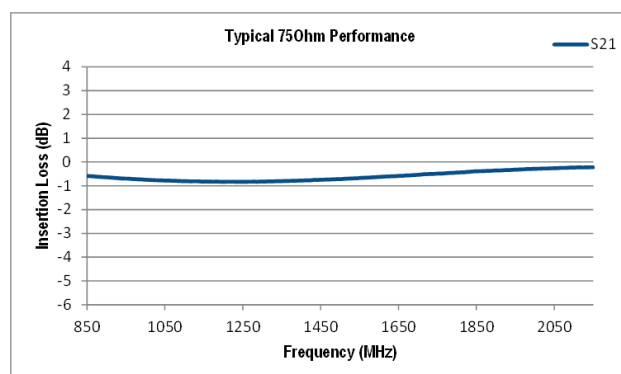
Environmental	
Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to +75°C
Location	Indoor use Only
Humidity	85% non-condensing
Altitude	10,000 feet

Max Operating Parameters	
Input RF Power	+37 dBm (125mW)
DC Voltage	28V on any RF port
DC Current	0.5A

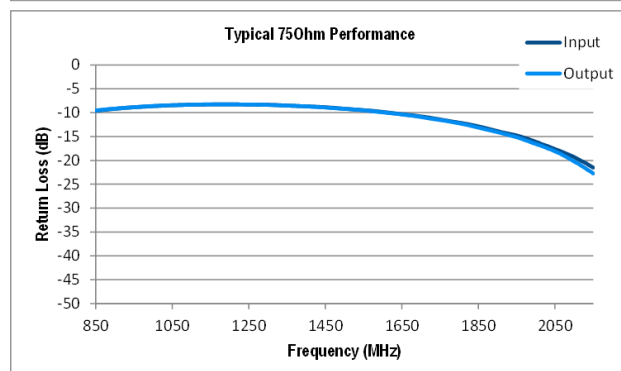
! Operation beyond these limits may cause instantaneous and permanent damage.



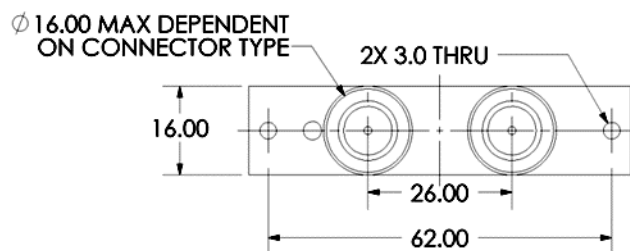
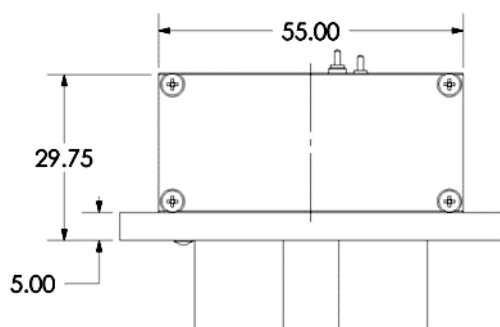
Insertion Loss (dB)



Return Loss (dB)



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.

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V 6.2 E&OE



RF Components

Model Number:
TEEL1-4000
10MHz 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
PSUV30V04-9708-SLP	100-240V (AC), 0.8A	12V to 24V (DC), 1.65A	Solder pin output
PSUV30V04-9708-ML2	100-240V (AC), 0.8A	12V to 24V(DC) 1.65A	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



PSUV30V04-9708



Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

