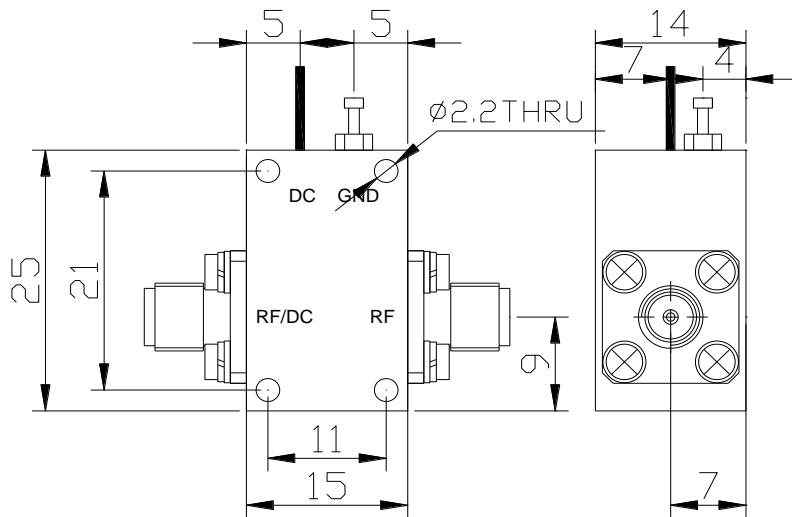


Outline Drawing:



**Description:**

Model YBT10-6000-1 is a Bias-Tee (also called Bias-T) in the 10 MHz to 6 GHz frequency range. Impressive broadband typical performance includes 0.5 dB loss, Isolation 30 dB, and operates over a temperature range of -55 °C to +105 °C.

**Features**

- Low Insertion Loss
- 10 MHz to 6 GHz Frequency Range

**Applications**

- Test & Measurement
- General Purpose Amplification
- Wireless Infrastructure
- R&D Labs
- Aerospace & Defense
- Communication Systems

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.01		6	GHz
VSWR			1.5	
DC Voltage			100	V
DC Current			2.5	A
Insertion Loss		0.5	1.25	dB
RF Power			25	Watts
Isolation (RF to Bias Port)		30		dB
Finish	Nickel			
RF + DC Port	SMA Female			
RF Port	SMA Female			
DC Input	Solder Post			

**Absolute Maximum Ratings**

Storage Temperature -55 °C to +125 °C

Operating Temperature -55 °C to +105 °C

**Note:**

All data presented is collected from a sample lot. Actual data may vary unit to unit.

All testing was performed under +25 °C case temperature.

**Caution:**

Exceeding absolute maximum ratings shown will damage the device.

Proper torque, 8.0 ± 0.15 inch-pounds (0.92 ± 0.05 Nm).