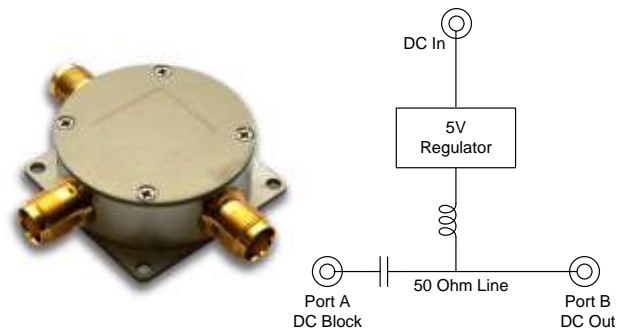




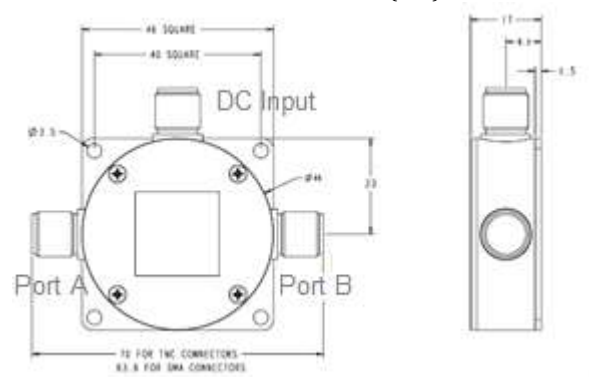
## TW155 Regulated 0.5 to 3 GHz 5 V Bias-Tee

The TW155 is a professional grade wideband Bias-Tee for injecting DC voltages onto coaxial lines. The regulated output voltage and the large output current makes this product highly suitable for many active antennas and amplifiers. It is useable up to 6GHz with higher insertion loss (see data below).

The TW155 is housed in a robust RF sealed, weatherproof (IP67) clear anodized aluminum enclosure and is available with 3 x SMA or TNC Jack connectors.



TW155 Dimensions (mm)



### Applications

- L-Band Signal Distribution
- GNSS (GPS/GLONASS) Signal Distribution

### Features

- Low insertion loss: 1dB typ.
- Regulated output voltage: 5 VDC
- VSWR: <1.3 @ 3 GHz
- Operating frequency: 0.5 to 3 GHz
- Wide input voltage range: 5.5 to 10 VDC\*\*
- High current output: 450 mA\*\*
- RF sealed, clear anodized aluminum enclosure
- SMA or TNC Jack connectors
- IP67 compliant (TNC Jack connector only)
- RoHS and REACH compliant

### Benefits

- Compact form factor
- Allows the use of an external power supply
- Fits in line with antenna cable
- Robust design
- Suitable for harsh environments
- Industrial temperature range: -40 to 85°C



# TW155 Regulated 0.5 to 3 GHz 5 V Bias-Tee Specifications

VCC=6V, over full bandwidth, T=25 °C

## Electrical

- Operational Frequency 1 to 3 GHz
- VSWR (50Ω) <1.3 @ 3 GHz
- Insertion Loss 1 dB typ.
- Supply Current\* Output current 5 mA
- Supply Voltage\*\* 5.5 to 10 VDC
- Output Voltage 5 VDC ± 2.5%



\* The TW155 Bias-Tee is capable of safely delivering up to 450 mA.

\*\* The output current limit should be d-rated so as to restrict the maximum power diss calculated as  $P=(V_{in}-3.3)*I$ .

## Mechanicals

- Size 1.81" L x 1.81" W x 0.669" H (46 mm L x 46 mm W x 17 mm H)
- Weight 100 g (0.22 lbs)
- Connectors SMA or TNC Jack
- DC Connector SMA or TNC Jack
- Operating Temp. Range -40 to +85 °C
- Enclosure Clear anodized aluminum
- Environmental RoHS, and IP67 compliant (32-0155-2 only)
- Warranty One year – parts and labour

## Ordering Information

- TW155 Bias-Tee with SMA Jack connector (for internal use) 32-0155-00
- TW155 Bias-Tee with TNC Jack connector (for internal use) 32-0155-01
- TW155 Bias-Tee with TNC Jack connector (for external use) 32-0155-02

Please contact Tallysman Wireless for additional information

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Doc # 60-0044-0

Rev 5

