

TW151 DC Blocked L-Band/GNSS 1 to 2 Signal Splitter

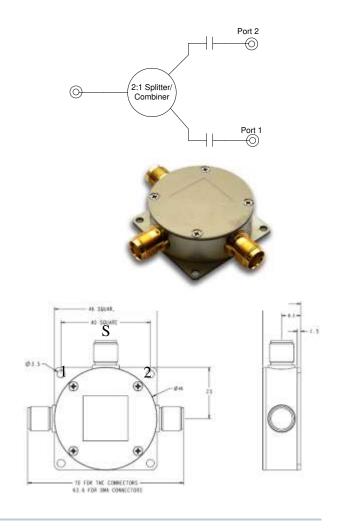
The TW151 is a professional grade DC blocked L-Band 1 to 2 Signal Splitter, suitable for a wide range of L-Band and all GNSS applications, including GPS L1, L2, L5 and GLONASS L1 & L2.

The TW151 splitter permits for two GNSS receivers to operate on one antenna, while blocking the DC voltage source on both receiver ports 1 and 2, suitable for applications with external DC voltage source.

The TW151 is housed in a robust weatherproof (IP67) clear anodized aluminum enclosure and is available with 3 x gold-plated SMA or TNC Jack (female) connectors.

Applications

- L-Band Signal Distribution
- GPS L1, L2 & L5 Signal Distribution
- GLONASS L1 & L2 Signal Distribution
- Galileo E1, E5 & E6 Signal Distribution



Features

- DC blocked on both receiver ports
- 1 to 2 GHz operating frequency
- Low insertion loss 1.0 dB over 3 GHz
- VSWR <1.25 typ.
- 50 Ohm port impedance
- Clear anodized aluminum, IP67 housing
- Gold-plated SMA or TNC Jack connectors
- RoHS Compliant

Benefits

- Allows for external DC source
- Allows use of two GNSS receivers on one antenna
- Compact form factor
- Fits in line with antenna cable
- Robust design
- Suitable for harsh environments





TW151 DC Blocked L-Band/GNSS 1 to 2 Signal Splitter Specifications

Electrical

Operational Frequency 1 to 2 GHz VSWR (50Ω) 1.25 typ., 1.5 max **Insertion Loss** 1 dB over 3.0dB Supply Voltage 18 VDC max Port 1 and 2 DC Voltage Block **High Port Isolation** >18 dB **Amplitude Balance** 0.5 dB max Phase Balance 2 degrees max

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 3 x SMA or 3 x TNC Jack

• Connectors 3 x SMA or 3 x TNC Jack
• Operating Temp. Range -40 to +85 C

Enclosure
 Clear anodized aluminum, IP67 compliant

Environmental RoHS and REACH compliant
Warranty One year – parts and labour

Ordering Information

TW151 – 1 to 2 L-Band/GNSS Splitter with SMA jacks
 TW151 – 1 to 2 L-Band/GNSS Splitter with TNC jacks
 32-0151-0 *
 32-0151-1 *

Please contact Tallysman Wireless for additional information

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^{* 25} mA DC load (DCL) option' if required by the receiver (TW153 or TW156)