



## TW150 L-Band/GNSS 1 to 2 Signal Splitter

The TW150 is a professional grade 1 to 2 L-Band Signal Splitter, suitable for a wide range of L-Band and all GNSS signals, including GPS L1, L2, L5, GLONASS G1, G2, G3, BeiDou B1, B2, B3 Galileo E1, E5a+b, and E6. . The TW150 splitter permits two GNSS receivers to operate on one antenna, by allowing the DC voltage source to pass through Port 2 but blocked on Port 1.

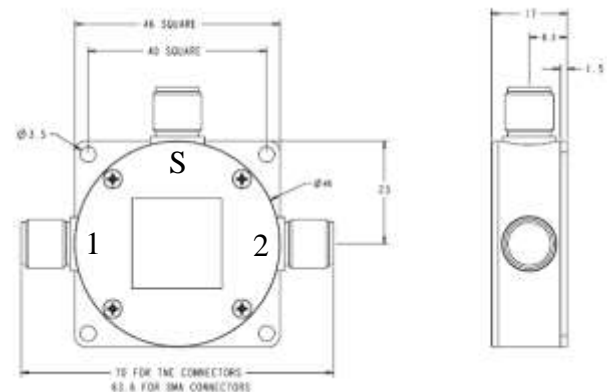
The TW150 is housed in a robust weatherproof (IP67) clear anodized aluminum enclosure and is available with 3 x gold-plated SMA or TNC Jack (female) connectors.

### Applications

- L-Band Signal Distribution
- All GPS Signal Distribution
- All GLONASS Signal Distribution
- All Galileo Signal Distribution
- All BeiDou Signal Distribution

### Features

- 1 to 2 GHz operating frequency
- Low insertion loss 1.0 dB @ 2 GHz
- VSWR <1.25 typ.
- Max pass through current 200 mA
- 50 Ohm port impedance
- Clear anodized aluminum, IP67 housing
- Gold-plated SMA or TNC Jack connectors
- RoHS Compliant



### Benefits

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



# TW150 L-Band/GNSS 1 to 2 Signal Splitter

## Specifications

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### Electrical

• Operational Frequency	1 to 2 GHz
• VSWR (50Ω)	1.25 typ., 1.5 max
• Insertion Loss	1dB over 3.0dB
• Max Input Power	1.5 W
• Max Pass Through Current	200 mA
• Supply Voltage	18 VDC max
• High Port Isolation	>18 dB
• Amplitude Balance	0.5 dB max
• Phase Balance	2 degrees typ.

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### 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
• Operating Temp. Range	-40 to +85 C
• Enclosure	Clear anodized aluminum, IP67 compliant
• Environmental	RoHS and REACH compliant
• Warranty	One year - parts and Labour

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### Ordering Information

• TW150 - 1 to 2 L-Band/GNSS Splitter	32-0150-x
• *TW150 - 1 to 2 L-Band/GNSS Splitter	32-0150DCL-x

Where x = 0 for SMA (female) jacks for indoor use, 1 for TNC (female) jacks for indoor use, and 2 for IP67 rated TNC (female) jacks (extra premiums apply)

\* "25mA DC load (DCL) option on port 1" can be provided if required by receiver

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