



BRENDEL ASSOCIATES LIMITED

GNSS ANTENNA TYPES

2022 REVISION



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TW7972 Antenna SMA connector



- >> GPS L1/L2/L5, GLONASS G1, G2, G3,
- >> BeiDou B1/B2,B2a, Galileo E1, E5a, E5b, L-band
- >> IP67 rated Magnetic base
- >> Must be mounted on a metal surface for optimum performance
- >> LNA Gain 32 dB
- >> Weight 180 g
- >> Diameter 69 mm
- >> Height 22 mm

GNSS-502 Antenna TNC female connector

- >> GPS L1/L2, GLONASS, BeiDou B1,B2, Galileo E1, E5b
- >> IP67, IP69K rated
- >> 2 × magnetic mounts
- >> 2 × M4 screw inserts
- >> LNA Gain 29 dB
- >> Weight 450 g
- >> Diameter 155 mm
- >> Height 45 mm



GNSS-850 Antenna TNC female connector

- >> GPS L1,L2,L5, GLONASS L1,L2,L3, Galileo E1,E5a/b,E6, BeiDou B1, B2, B3, L-band
- >> IP69k rated
- >> 5/8" thread mount
- >> LNA Gain 29 dB
- >> Weight 507 g
- >> Diameter 176 mm
- >> Height 55 mm



GNSS-802L Antenna TNC female connector



- >> GPS L1,L2, GLONASS L1,L2, Galileo E1, BeiDou B1,
- >> L-band (Terrastar)
- >> IP67 rated
- >> 5/8" thread mount
- >> LNA Gain 29 dB
- >> Weight 507 g
- >> Diameter 176 mm
- >> Height 55 mm

G5Ant-2AMNS1 SMA connector

- >> GPS (L1/L2/L5), GLONASS (L1/L2), BeiDou (B1/B2/B3), Galileo (E1/E2/E5/E5a/E5b), L-Band antenna with precision carrier phase.
- >> Suitable for quad-frequency RTK capable models and PPP services, e.g. Terrastar
- >> Magnetic base
- >> Must be mounted on a metal surface for optimum performance
- >> SBAS (WAAS/EGNOS/MSAS)
- >> 5V, 35dB Gain
- >> Weight 162 g
- >> Diameter 69 mm
- >> Height 22 mm



G5Ant-1A196MNS1 SMA connector (integral 5m cable)

- >> L1/L2 GPS/GLONASS/L-Band antenna with precision carrier phase
- >> Suitable for dual frequency RTK models and PPP services, e.g. Terrastar
- >> Magnetic base
- >> Must be mounted on a metal surface
- >> 5V, 35dB Gain
- >> Weight 105 g
- >> Dimensions 53 mm



G5Ant-42AT1 GNSS Antenna TNC Connector, Aircraft



- >> GPS (L1/L2/L5), GLONASS (L1/L2), BeiDou (B1/B2/B3), Galileo (E1/E2/E5/E5a/E5b), L-Band antenna with precision carrier phase.
- >> Suitable for dual frequency RTK models and PPP services, e.g. TerraStar Typically used for aircraft
- >> Must be mounted on a metal surface for optimum performance SBAS (WAAS/EGNOS/MSAS)
- >> 5V, 35dB Gain
- >> Weight 227 g
- >> Dimensions 120 x 76 mm
- >> Height 23 mm (excluding connector)

AT575-70 SMA connector

- >> GPS L1
- >> Magnetic base
- >> Must be mounted on a metal surface 5V
- >> Weight 142 g
- >> Diameter 54 mm
- >> Height 15 mm
- >> Used with xNAV200/500 and inMotionX



GNSS-804 Antenna TNC female connector



- >> GPS L1,L2, GLONASS L1,L2, Galileo E1, E5b, BeiDou B1, B2
- >> IP67 rated
- >> 5/8" thread mount
- >> LNA Gain 29 dB
- >> Weight 507 g
- >> Diameter 176 mm
- >> Height 55 mm

G5Ant-52AT1 GNSS Antenna TNC Connector, Ground Plane



- >> GPS (L1/L2/L5), GLONASS (L1/L2), BeiDou (B1/B2/B3) Galileo (E1/E2/E5/E5a/E5b), L-Band antenna with precision carrier phase.
- >> Suitable for dual frequency RTK models and PPP services, e.g. Terrastar
- >> Used when there is no suitable metal ground plane
- >> Mounted on survey poles, UNC 5/8"-11 Thread
Alternative mounting 4x 6-32 UNC-2B, 6 mm deep
SBAS (WAAS/EGNOS/MSAS)
- >> 5V, 35dB Gain
- >> Weight 250 g
- >> Diameter 127 mm
- >> Height 43 mm

TW4322-single-band-gnss-antenna

- >> GPS L1, Glonass L1
- >> Magnetic base
- >> Must be mounted on a metal surface
- >> 2.5-16V
- >> 28dB Gain
- >> Weight 50 g
- >> Diameter 38 mm²
- >> Height 14 mm



Specifications taken from Original Manufacturers' data sheets.

All dimensions excluding cables.

Images are for illustration purposes only E&OE.