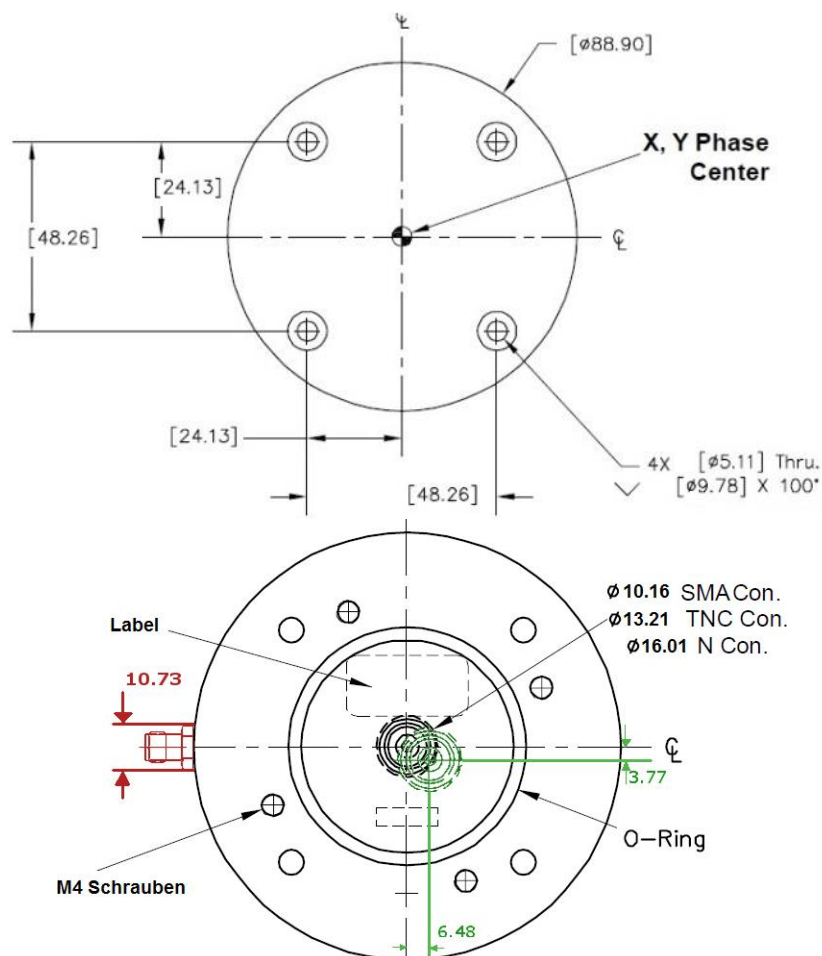
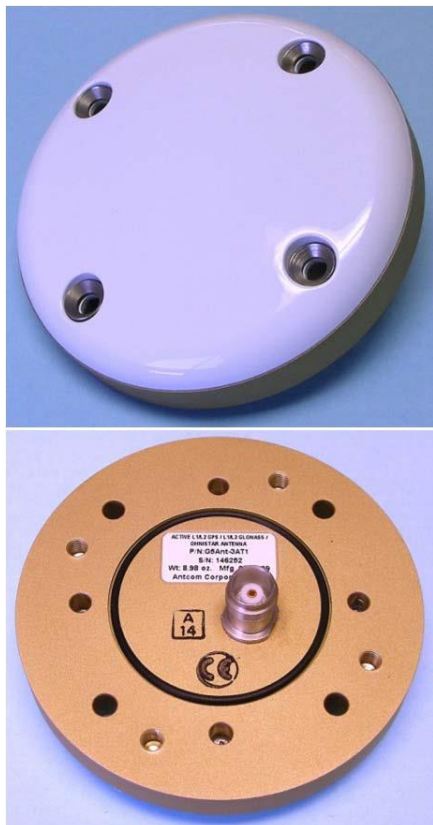


Multiband GNSS antenna

Type: G5Ant



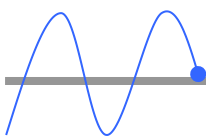
Features:

- Multiband antenna for GNSS
- Integrated Low-Noise-Amplifier (LNA)
- Runs ideal even under harsh environmental conditions
- Many options available
- Designed for MIL application

Description:

The 5GAnt is a ruggedized receiving antenna for stationary and mobile applications designed survey, industrial or military purposes. The total antenna gain is 33-35 (depending on frequency used). So signal receiving is possible even under harsh conditions. With our Low Loss HF cables it is possible to run the antenna also with longer cable. The antenna is available with many different options (see options). This antenna is available with an optional magnet mount with an SMA-connector on the side (see upper figure). A special teflon coating is available on request (see lower figure).





Multiband GNSS antenna

Type: G5Ant

Technical Data:

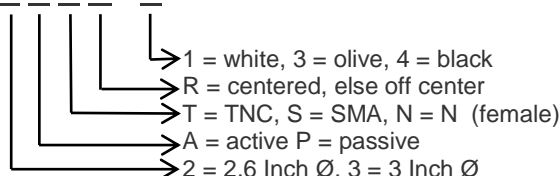
	L5 GPS E5 Galileo L5 IRNSS	L2 GPS B2 Compass	L2 GLonass E6 Galileo B3 Compass	OmniSTAR/L-Band L6 Galileo B1 Compass	L1 GPS E1, E2 Galileo L1 IRNSS	L1 Glonass
Frequencies:	1179 ± 12 MHz 1164 - 1219 MHz 1176 ± 15 MHz	1277 ± 12 MHz 1207 ± 10 MHz	1252 ± 7,5 MHz 1266 - 1290 MHz 1268 ± 10 MHz	1542 ± 14 MHz 1542 ± 5 MHz 1575 ± 12 MHz	1575 ± 15 MHz 1575 ± 17 MHz 1575 ± 12 MHz	1609 ± 7MHz
Min. receive angle	110°	110°	105°	95°	95°	95°
Antenna gain (dBic) @Zenith	-3	+2.6	+0.0	+2.1	+4.0	+3.0
Axial ratio (dB):	1.5	1.0	1.0	1.0	1.0	2.0
Gain:	35 dB			33 dB		
Radiation pattern:	Hemispherical					
Polarisation:	RHCP (Right Handed Circular Polarization)					
VSWR Output:	max. 2.0 : 1					
LNA Noise Figure	3 dB					
LNA P1dB Out:	13 dBm (input power level at which the gain ratio decreased by 1 dB)					
Power Supply:	2.5 – 24 Volt DC (only active)					
Current consumption:	20 – 50 mA (3.3V = 30 mA, 5V = 35 mA) (only active)					
Impedance:	50 Ohm					
Material:	Aluminium bound alloy // finish: Polyurethaneenamel					
Weight:	ca. 250 g					
Max. altitude	21.300 m					
Max. acceleration:	30 g					
Environmental cond.	Hermetically sealed / skydrol resistant / flameretardant /abrasion-proof					
Operation temperature:	-50 ° C ~ + 85 ° C					

Options:

part number structure:

G5Ant – X X X R - X

e.g.: G5Ant-3AT-1 =
3 Inch Ø, active, TNC-f, off center, white



Connector type:	TNC-f / SMA-f / N-f (-xTx-x / -xSx-x / -xNx-x)
Connector position:	centered (-XxR), off center (-xx) , sidewards (-Mx-x)
Colors:	white, olive, black (-xxx-1 / -xxx-3 / -xxx-4)
Mounting options:	Antenna socket, pole mount (MTR2), magnet mount (-Mx-x)
Dimensions:	ca. 25 (H) x 89 (B) x 89 (T) mm
Lightning protection:	DC Grounding