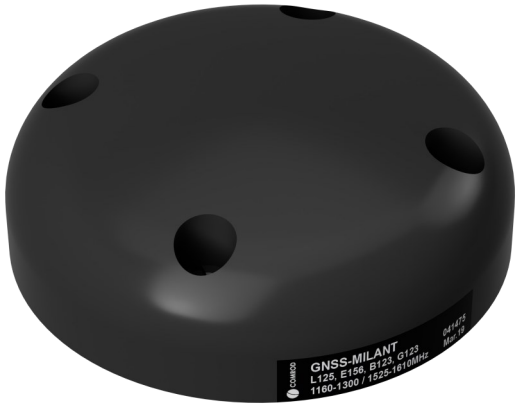
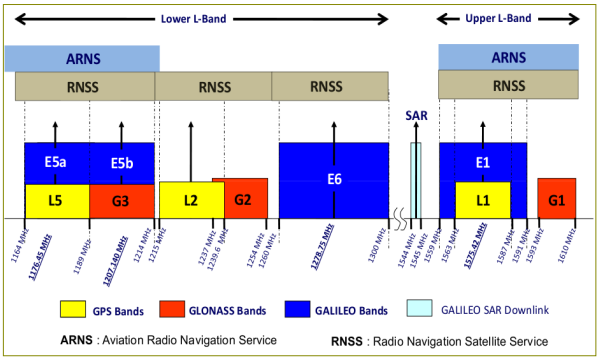
GNSS-MILANT

GNSS low-profile puck antenna, GPS, Galileo, Glonass, Beidou, 30 mm, Ø89 mm, 1160-1300 MHz, 1525-1610 MHz

Tactical Antennas: Tactical and Base Station





Technical Description

- GPS, GALILEO, GLONASS, BEIDOU
- Low-noise coverage of the entire GNSS frequency range in L band.
- Efficient suppression of out-of-band interferences.
- Anti-jamming - LNA protection by filters and limiters. Separate channels for lower and upper band.
- Receives all encrypted signals including GPS M-code, GPS P(Y) code, Galileo PRS.
- Compatible with Selective Availability Anti-Spoofing Module (SAASM).
- DC grounded and lightning protected.
- The electrical and mechanical interfaces compatible with those of most currently used narrowband L1/L2 GPS antennas.

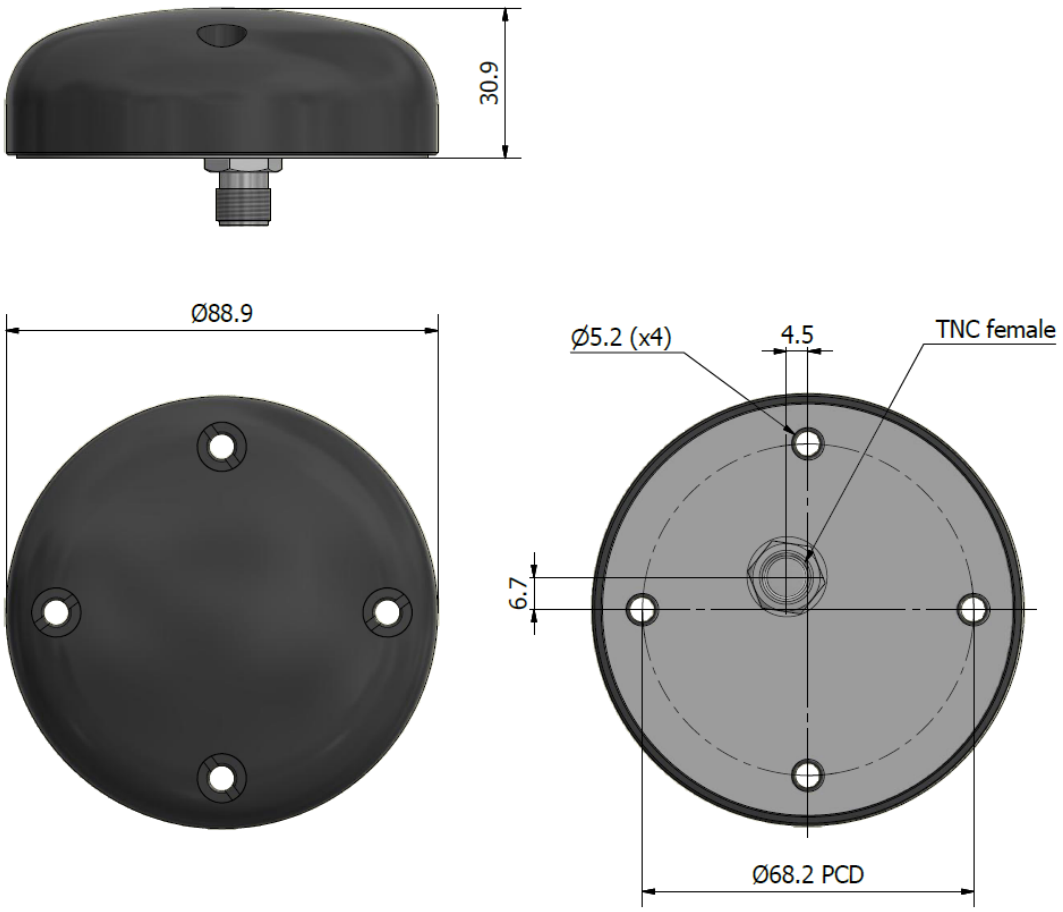
Mechanical Specifications

Design	Multiband patch fully enclosed in POM radome.
Dimensions	Ø89 x 30 mm
Weight	250 g
Finish	Black
Temperature Range	- 55°C to + 71°C
Ingress	IP67
Installation	4 x Ø5.2 mounting holes (see drawing)

Electrical Specifications

Frequency	1160 - 1300 MHz	GPS L2/L5
		GALILEO E5A/E5B/E6
		GLONASS L2/L3
		BEIDOU B2/B3
	1525 - 1610 MHz	GPS L1
		GALILEO E1
		GLONASS G1
		BEIDOU B1/B1-2
Passive Zenith Gain	L1 and E1 (PRS, 1.55-1.60 GHz): > 4 dBic	
	L2: > 2 dBic	
	E6 (PRS, 1.25–1.30 GHz): >2 dBic	
Passive Horizon Gain	> -10 dBic	
LNA Gain	27.5 ±1.5 dB	
Power Handling	1 W	
Axial Ratio	< 3 dB @ zenith	
Supply Voltage	3.3-24 VDC	
Supply Current	< 50 mA	
Impedance	50 ohm	
VSWR	< 2:1	
Polarisation	Right Hand Circular	
Connector	TNC Female	

Outline Drawing



(Dimensions in mm)

Partnered Supplier

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