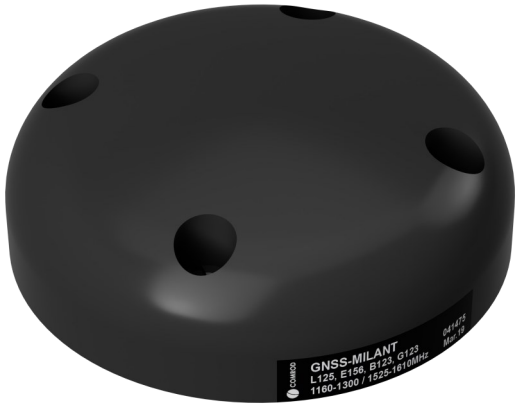
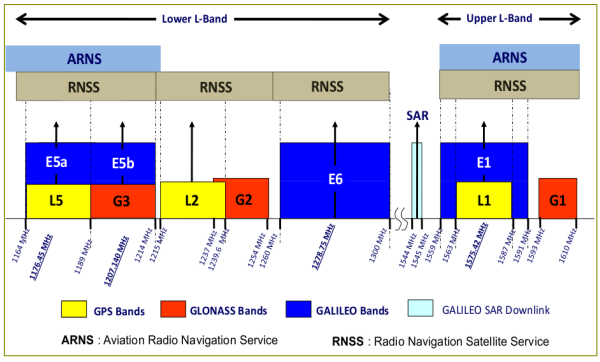
GNSS-MILANT

Global Navigation Satellite System Puck Antenna



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.



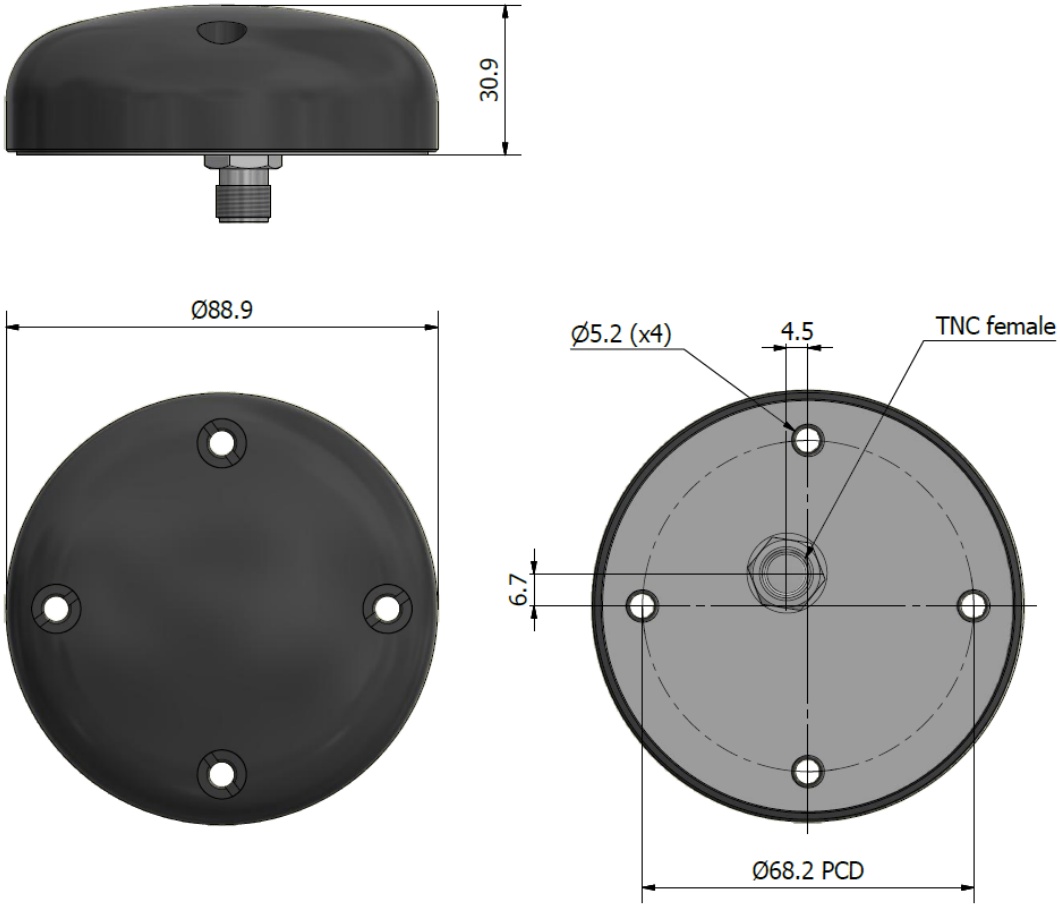
Mechanical specifications

Design	Multiband patch fully enclosed in POM radome.
Dimensions	Ø89 x 30 mm (Ø3.5 x 1.2 in)
Weight	250 g (0.55 lb)
Finish	Black
Temperature range	-55 °C, +71°C; -67 °F, +160 °F
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 & 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	@ 5V: 25mA typical, 35mA max.	
Impedance	50 ohm	
VSWR	< 2:1	
Polarisation	Right Hand Circular	
Connector	TNC Female	

Outline Drawing



(Dimensions in mm)