



(Dimensions in mm)

Technical Description

The GNSS-MILANT antenna provides low-noise coverage of the entire GNSS frequency range in L band and efficient suppression of out-of-band interferences. The electrical and mechanical interfaces are compatible with those of most currently used narrowband L1/L2 GPS antennas.

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	35 dB	
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	

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)