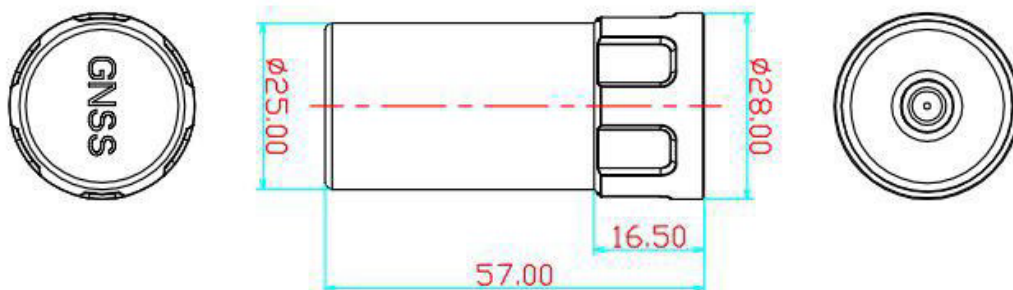


***Aerial Antenna for UAV  
Multi-band GNSS Module  
METTA-HELIX5-DR-11***

**1. Antenna image**



**2. Cylindrical Antenna Dimensions**



## Antenna Specifications

Antena			
Antenna	1	Constelations	GPS, BEIDOU, GLONASS, GALILEO
	2	Frequency	GPS: L1: 1575,42 ± 1,023 MHz L2: 1227 ± 1.023 MHz BEIDOU: B1 : 1561 ± 2.046 MHz B2 : 1207 ± 2.046 MHz B3 : 1268 ± 10,23 MHz GLONASS: L1=1602+0,5625*k(MHz) L2=1246+0,4375*k(MHz) GALILEO: E1: 1575
	3	Frequency Range	1197-1278/1559-1612MHz
	4	V.S.W.R.	≤2 . 0
	5	Axial Ratio	Elevation Angle 90 Degrees: ≤3 Elevation Angle 15 Degrees: ≤5
	6	Gain	Elevation Angle 90 Degree: ≥6 Elevation Angle 20 Degree: ≥0
	7	Front to Back Power	±60 Degrees ≥15dB
	8	Centro de fase (mm)	<2
	9	Impedence	50Ω
	10	Polarization	RHCP
LNA	1	LNA Gain	38±2dB
	2	V.S.W.R.	<2
	3	Noise Figure	<1.0
	4	DC Voltage	3,3 ~ 18V
	5	Current	25 ~ 40 mA