

Product: PALO-71/GNSS

Product Order Code:

BM-02991

Connector Mounted GNSS Antenna

GPS, GLONASS, Galileo, QZSS, BeiDou

- GNSS robust amplified antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

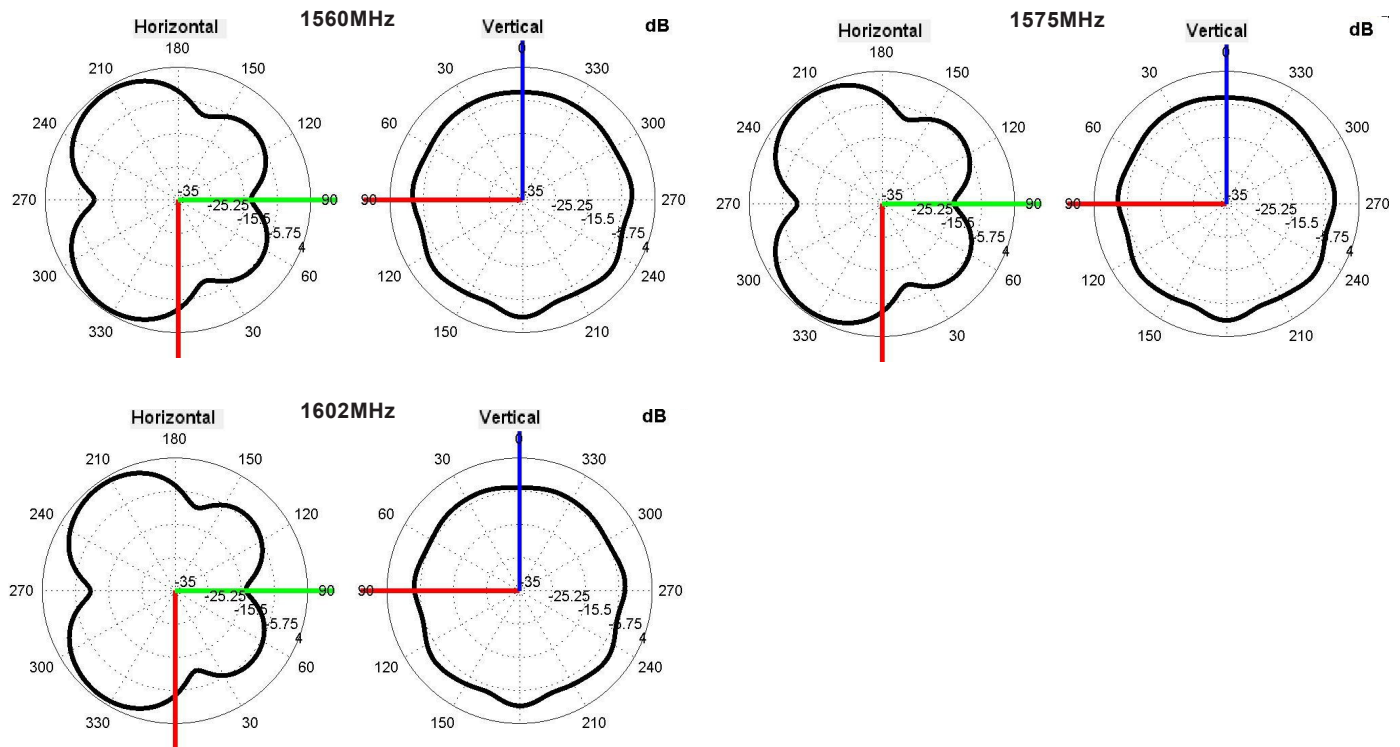
Dimensions	70.6mm (H) x 13.4mm (D)
Weight	28g
Construction Materials	Brass Thread / Nut TPE UL94 V0 / UV Stable
Mounting Arrangement	SMA MALE Integrated Base Mounted Ground Plane Dependent
Temperature Range	-40 to +85 Degree C
Protection Class	IP68 (IEC 60529)
GPS, GLONASS, Galileo, QZSS, BeiDou	
Frequency Range	GPS, Galileo, QZSS: 1575.42MHz +/-1.023MHz GLONASS: 1602MHz +/-4MHz BeiDou: 1602MHz +/-4MHz
Passive Gain	3.5dBi @1561MHz / 3.4dBi@1575MHz / 3.2dBi@1602MHz
Impedance	50 Ohm
Polarisation	Pre-Filter
SAW Filter Type	Hemispherical
VSWR	<1.4:1 (All Frequencies)
Active Gain (Amplification)	28dB @ 2.7v
Operational Voltage	1.5v to 3.6vDC
Current Consumption	9mA @ 2.7v
Power Consumption	24mW (Typical)
Axial Ratio	3dB Maximum
Noise Figure	1.8dB @ 2.7v
Out of Band Rejection	43dB
ESD Protection	6kV
Connector	SMA MALE
Test & Measurement Conditions	Affixed to 85mm x 40mm x 2mm Ground Plane

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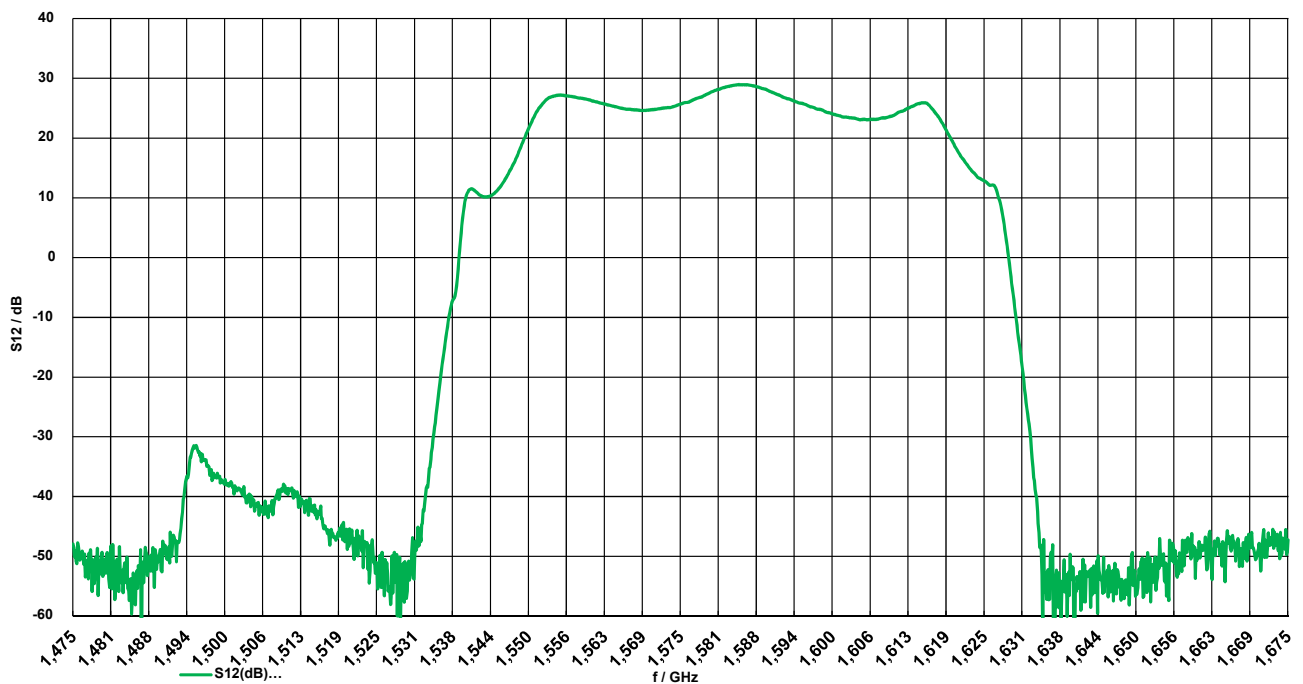
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Radiating Patterns



Typical GNSS LNA Gain



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CAD Data

