

Product: MULTI J GNSS-39-49

Product Order Code:
BM-02 RANGE

Compact GNSS Magnetic & Self Adhesive Antenna

GPS, GLONASS, Galileo, QZSS

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



Technical Data

Dimensions	39mm x 49mm x 14.9mm (H) (Excluding self adhesive pad)
Weight	54g (Excluding cables and connectors)
Construction Materials	PC/ABS UL94 V0 / UV Stable
Mounting Arrangement	Magnetic & 3M Adhesive Pad Ground Plane Independent - Mount on any surface
Temperature Range	-40 to +85 Degree C
Protection Class	IP65

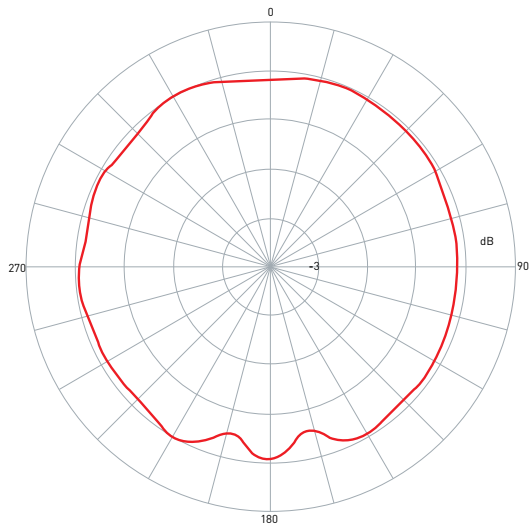
GPS, GLONASS, Galileo, QZSS

Frequency Range	GPS, Galileo, QZSS: 1575.42MHz +/-1.023MHz GLONASS: 1602MHz +/-4MHz
Ceramic Patch Size	25mm x 25mm x 4mm
Impedance	50 Ohm
Polarisation	RHCP
Radiation Pattern	Hemispherical
VSWR	<1.4:1 (All Frequencies)
Active Gain (Amplification)	28dB @ 3v / 30dB @ 5v
Operational Voltage	2.7v to 5.5v
Current Consumption	11mA @ 2.7v /15mA @ 5v
Power Consumption	28mW (Typical)
Axial Ratio	3dB Maximum
Noise Figure	1.5dB (Typical)
Cable types Available	LL100 50 Ohm Low Loss / RG174
Cable Length	According to customer specification
Connector	According to customer specification
Test & Measurement Conditions	300mm x 300mm x 2mm Ground Plane 1000mm LL100 Cable / SMA Male connector

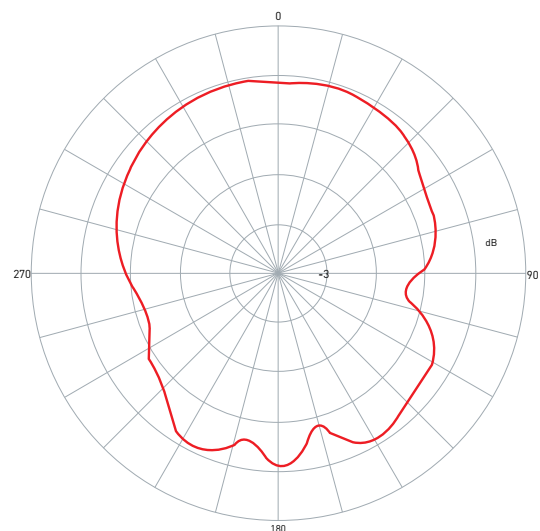
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Radiating Patterns

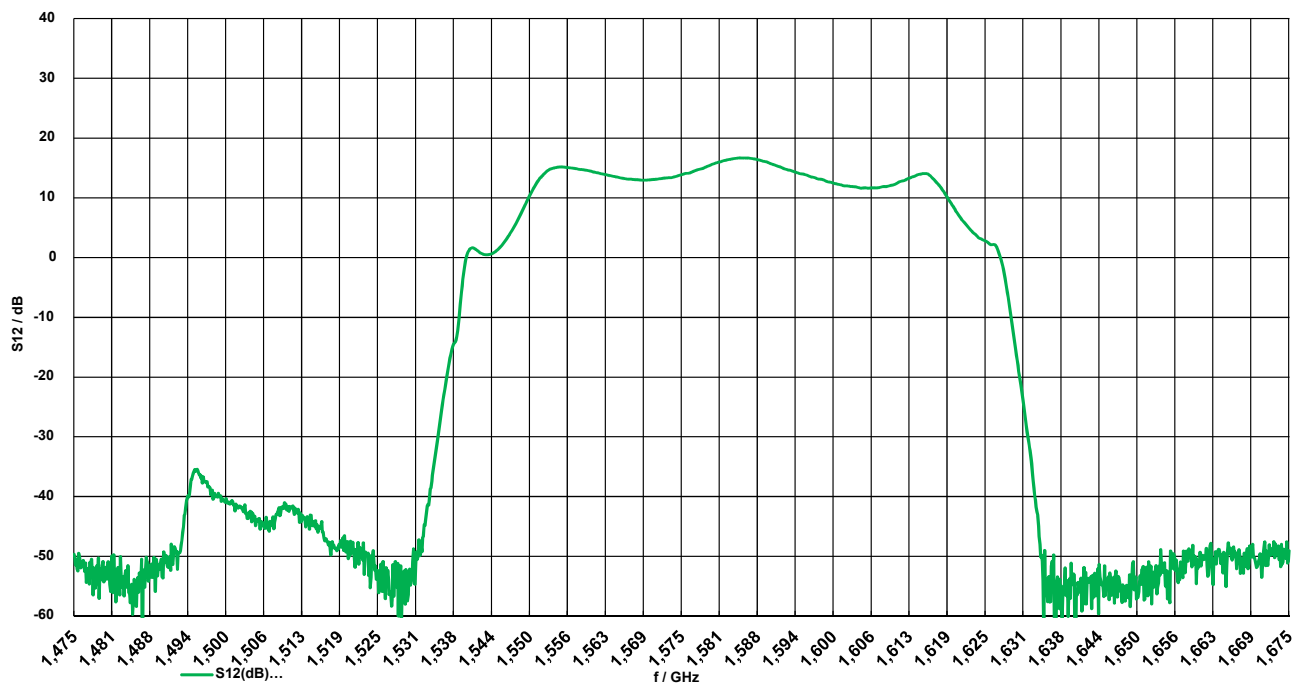


XZ Plane
1575.42MHz



YZ Plane
1575.42MHz

Typical GNSS LNA Gain



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CAD Data

