

Product: HA-GNSS-MAG-28

High Accuracy Dual Band GNSS Active Magnetic Antenna

Product Order Code:

BM-02795

BDS-B1, GPS-L1/L5, GLONASS G1

- High Accuracy GNSS antenna with 28dB amplifier
- RoHS 2011/65/EU & RoHS3 (2015/863/EU) compliant
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

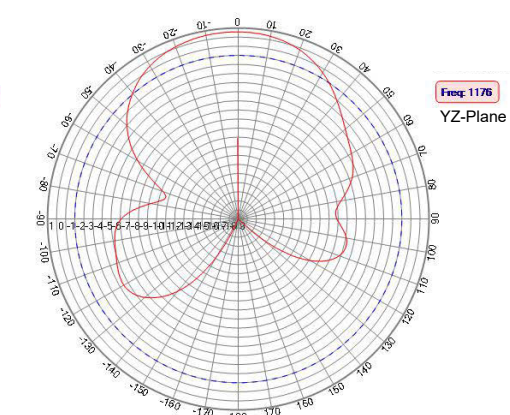
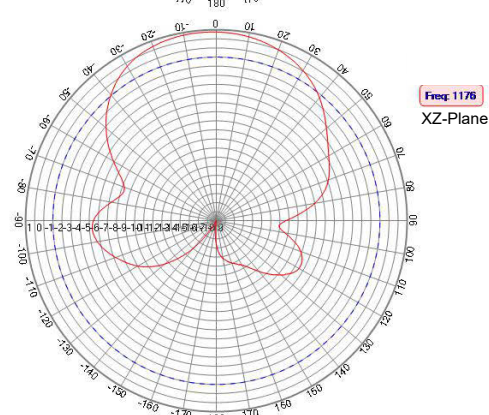
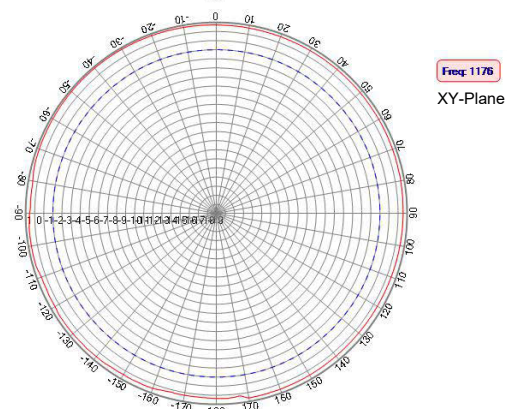
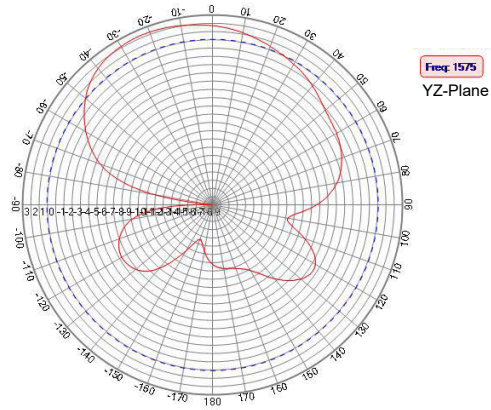
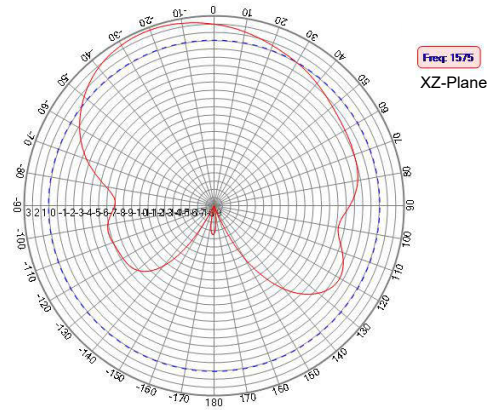
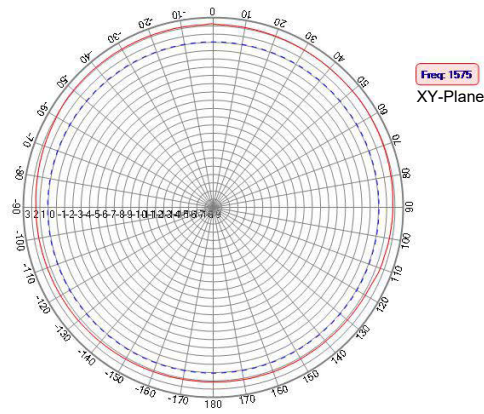
External Dimensions	50mm x 50mm x 19mm (D) (Excluding Self Adhesive Pad)
Weight	54g (Excluding cable and connector)
Construction Materials	Ceramic Patch Element / FR4 PCB / ABS Cover
Mounting Arrangement	Magnet or Self Adhesive Pad
Temperature Range	-40 to +85 Degree C
Typical Sheer Force Test	50Kgf (IEC62137-1-2-2007)
Frequency Range	HIGH BAND - BDS-B1 / GLONASS-G1 / GPS-L1: 1561.098 MHz - 1602 MHz LOW BAND - GPS-L5: 1176 MHz
Impedance	50 Ohm
Polarisation	RHCP
Radiation Pattern	Hemispherical
Gain	3dBic @PCB (Zenith)
LNA Amplifier Performance Data	
Return loss (VSWR)	<1.5:1 (@ 1575.42 MHz & 1176 MHz)
Active Gain (Amplification)	28dB @ 3v
Operational Voltage	1.8v to 5.5v DC
Current Consumption	<40mA
Noise Figure	1.0dB (Typical)
Filter Out of Band Attenuation	f0=1575.42MHz 7dB Min f0 +/-20MHz 20dB Min f0 +/-50MHz 30dB Min f0 +/-100MHz
Cable types Available	RG174 (Alternatives available to customer specification)
Cable Length	2m (Alternatives available to customer specification)
Connector	SMA MALE (Alternatives available to customer specification)
Test & Measurement Conditions	Mounted on a 70mm x 70mm Ground Plane RG174 2000mm / SMA MALE Connector

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Radiating Patterns

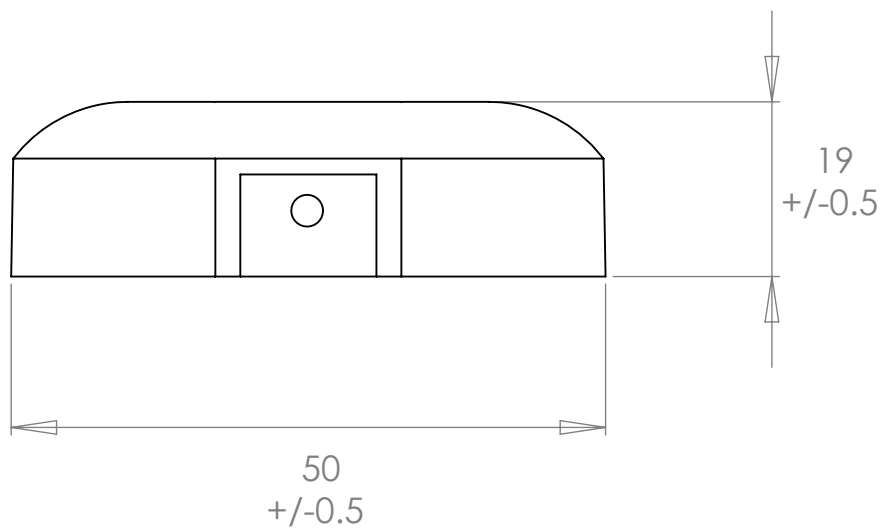
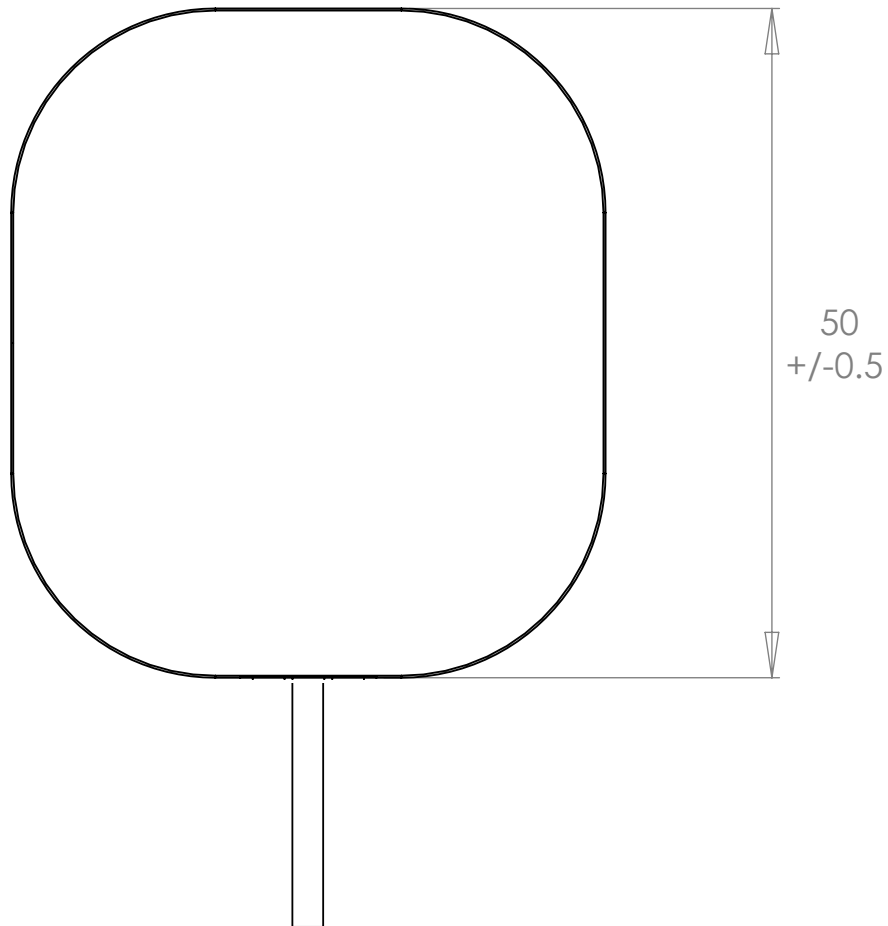


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CAD Data



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