

GPS Puck Antenna

Product Order Code:
HTL-GSPUCK-5M-SMA-M



PRODUCT: HTL-GSPUCK-5M-SMA-M
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Technical Data

- Low profile, robust amplified antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via office@hubit.co.uk

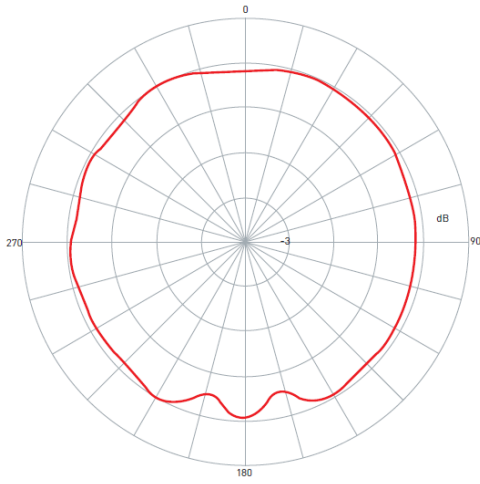
TECHNICAL DATA

DIMENSIONS	46.6mm (D) x 16.4mm (H) (Including self-adhesive pad)
WEIGHT	48g (excluding cables & connectors)
CONSTRUCTION MATERIALS	Brass thread / nut – PC/ABC UL94 V0 / UV Stable
MOUNTING ARRANGEMENT	M12 split nut combined with 3M Adhesive Pad Ground plane independent – mount on any surface
TEMPERATURE RANGE	-40 to +85 Degree C
PROTECTION CLASS	IP68 (IEC 60529)

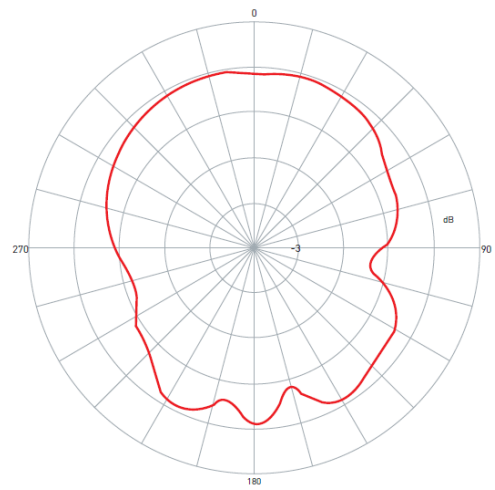
GPS, GLONASS, Galileo, QZSS

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
RETURN LOSS (VSWR)	<1.4:1 (all frequencies)
ACTIVE GAIN (Amplification)	28dB @ 3v / 30dB @ 5v
OPERATIONAL VOLTAGE	11mA @ 2.7v / 15mA @ 5v
POWER CONSUMPTION	28mW (Typical)
AXIAL RADIO	3dB Maximum
NOISE FIGURE	1.5dB (Typical)
CABLE TYPES AVAILABLE	LL100 50 Ohm Low Loss / RG174
CABLE LENGTH / CONNECTOR	According to customer specification
TEST & MEASUREMENT CONDITIONS	300mm x 300mm x 2mm Ground Plane 1000mm LL100 Cable / SMA male connector

RADIATING PATTERNS

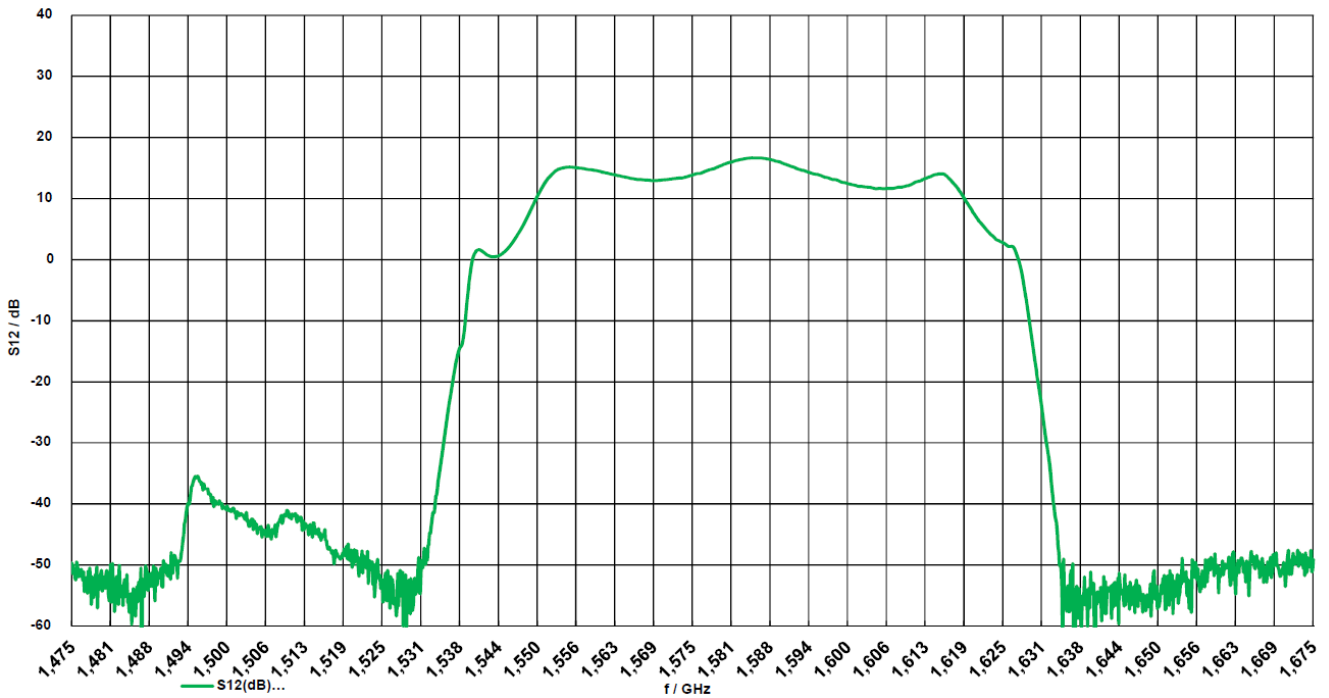


XZ Plane
1575.42MHz



YZ Plane
1575.42MHz

TYPICAL GNSS LNA GAIN



CAD DATA

