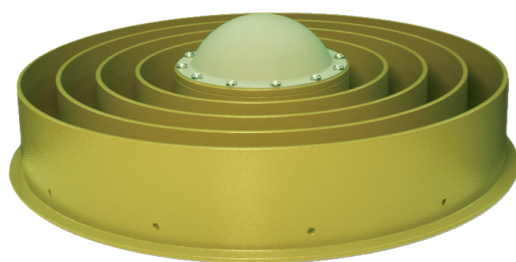




GNSS ANTENNA

RingAnt-DM



Reference Station antenna with choke ring RingAnt-DM is the standard Dorne-Margolin antenna element mounted on standard JPL Choke Ring. RingAnt-DM can track GPS, GLONASS, GALILEO, BEIDOU, WAAS, EGNOS, MSAS, GAGAN, QZSS, and IRNSS signals.

The RingAnt-DM antenna is designed for highly efficient multipath reduction and is recommended for use in GNSS reference networks, infrastructure monitoring, high precision geodetic surveying, or machine control applications.

DATASHEET

VERSION 1.7 JANUARY 31, 2022



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RingAnt-DM

SIGNAL

| | |
|------------|---|
| Capability | GPS L1/L2/L5 GLONASS L1/L2/L3 GALILEO E1/E2/E5ab/E6 BEIDOU B1/B2/B3 WAAS L1/L5, EGNOS, MSAS, GAGAN QZSS L1/L2/L5/LEX IRNSS L5 |
| Frequency | 1555~1610MHz 1164~1300 MHz |

ELECTRICAL

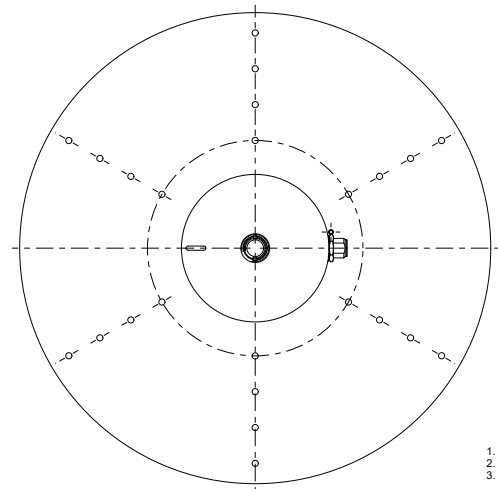
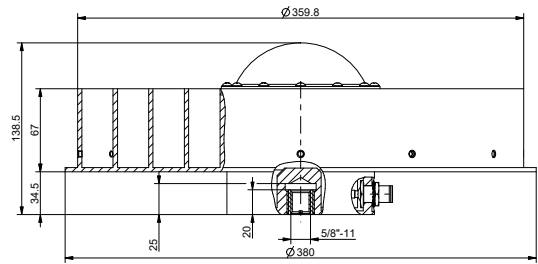
| | |
|------------------|---|
| Antenna Gain | 1555~1610MHz - 6.0 dB typ. 1164~1300 MHz - 5.0 dB typ. |
| Axial Ratio | 3.0 dB max. |
| Output Impedance | 50 Ohm |
| VSWR | 2.0 : 1 |
| LNA gain | 32±2 dB |
| Noise Figure | 1555~1610MHz - 2.2 dB typ. 1164~1300 MHz - 1.7 dB typ. |
| DC voltage | 3.0~15.0VDC 45mA@5.0V typ. |

ENVIRONMENTAL

| | |
|-----------------------|---------------|
| Operating Temperature | -45°C ~ +85°C |
| Storage Temperature | -50°C ~ +85°C |
| Humidity | Waterproof |

MECHANICAL

| | |
|--------------|--------------------------------------|
| Antenna type | Omnidirectional, hemispherical |
| Connector | N-type |
| Weight | 4.4 kg |
| Dimensions | Ø 380 mm; H=138 mm |
| Enclosure | Radome: Fiberglass Base: Aluminum |
| Mounting | 5/8-11 inches mount |



* All dimensions are in mm

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Illustrations, descriptions and technical specifications are not binding and may change.