



## S52IR16RR-P-MX-X ANTENNA FAMILY

### Helix Antenna for GNSS, Iridium and Inmarsat

The S52IR16RR-P-MX-X product family receives L1 GPS, L2 GPS, Inmarsat (Rx/Tx), L1 GLONASS and Iridium signals. The antenna has four mounting holes and a removable magnetic mount for easy installation onto rugged platforms for military and aerospace applications.

Antcom can customize this product family to meet your specific requirements. Please contact us for more information about customization options.



#### BENEFITS

- Single antenna covers multiple systems
- Many standard options available, and customizable if required

#### FEATURES

- Multi-band GPS, GLONASS, Iridium and Inmarsat support
- Connector options available
- Paint color options available

#### OPTIONS

##### COLOR

- Gloss White
- Lusterless Gray
- Olive Drab Green
- Lusterless Black
- Desert Tan

##### CONNECTOR

- S: SMA; B: BNC
- M: MCX; MM: MMCX
- N: N; NB: N-Bulkhead
- T, TNC; TB TNC-Bulkhead

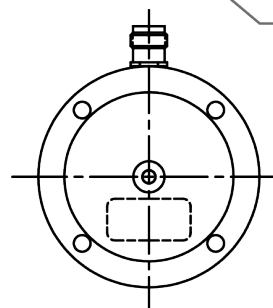
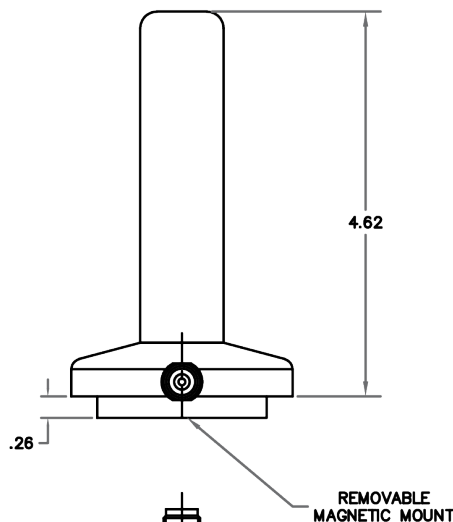
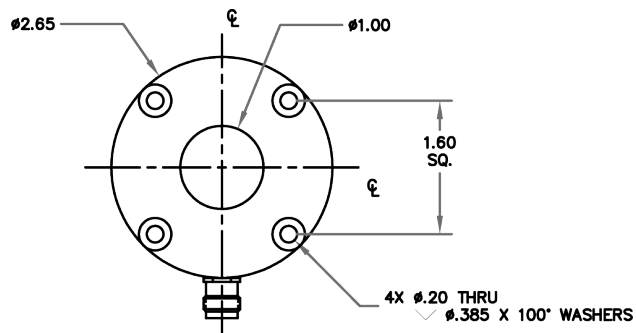
**ELECTRICAL**

<b>Frequency Range:</b>	
L1 GPS	1575.42 ± 12 MHz
L2 GPS	1227.60 ± 15 MHz
Rx INMARSAT	1542.50 ± 17.5 MHz
Tx INMARSAT	1642.50 ± 17.5 MHz
GLONASS	1602-1616 MHz
IRIDIUM	1610 - 1626 MHz
VSWR	<1.5:1
Impedance	50 ohms
Polarization	RHCP

**MECHANICAL & ENVIRONMENTAL**

Designed to:

<b>Weight</b>	6.4 oz
<b>Temperature</b>	-55°C TO +85°C
<b>Altitude</b>	70,000 ft
<b>Vibration</b>	> 30 Grms



**PART NUMBER DECODER**

S52IR16RR-P-MX-X

- **Color (PER AMS-STD-595)**
  - 1 = Gloss White #17925
  - 2 = Lusterless Gray #36320
  - 3O = Olive Drab Green #34088
  - 4 = Lusterless Black #37038
  - 5 = Desert Tan #33446

- **Connector**
  - S = SMA
  - M = MCX; MM: MMCX
  - N = N; NB: N-Bulkhead
  - T = TNC; TB: TNC-Bulkhead

**CONTACT ANTCOM**

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