

# S53IR16RR-P-XX-X series antenna

## Iridium helix antenna

The S53IR16RR-P-XX-X product family can transmit and receive iridium signals. This helical antenna provides efficient reception of right hand circularly polarized (RHCP) signals and rejection of multi-path signals for optimum iridium performance.

The helical antenna is enclosed under a rugged radome cover for military and airborne applications. The baseplate has top through hole mounts or bottom mounts into 10-32 threaded holes. Additionally, the design is compatible with pipe mount configurations.

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



### Features

- Transmit and receive (Tx/Rx) iridium antenna
- Pipe mount or flat mount
- Connector options available
- Paint color options available

### Benefits

- Right hand circularly polarized (RHCP) antenna design ensures optimum iridium connectivity

## S53IR16RR-P-XX-X

### Connector

S = SMA  
 SM = Male SMA  
 N = Type N  
 NB = Type N Bulkhead  
 NM = Male Type N  
 T = TNC  
 TB = TNC-Bulkhead

### Color (per AMS-STD-595)

1 = Gloss White #17925  
 2 = Lusterless Gray #36320  
 3 = Camo Green #34094  
 4 = Lusterless Black #37038  
 5 = Desert Tan #33446

**Electrical**

**Frequency range**

Iridium 1610 – 1626 MHz

**VSWR**

<2.0:1

**Impedance**

50 ohms

**Polarization**

RHCP

**Mechanical and environmental**

**Weight** (typical)

5.1 oz (142 g)

**Temperature**

-55°C to +85°C

**Altitude**

70,000 ft

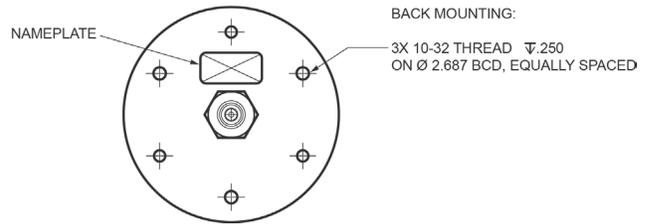
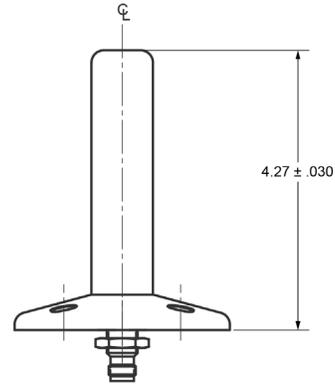
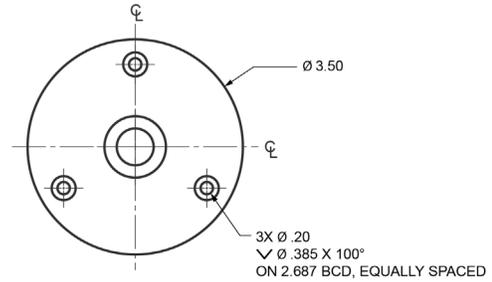
**Random vibration**

>30 G<sub>rms</sub>

**Limiting and filtering**

**Power handling**

1 Watt CW



Contact Hexagon | Antcom

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For the most recent details of this product: antcom.com

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