

**Small Form Factor Wideband SISO Antenna [617-960, 1695-2690 and 3300-4200 MHz]**

# PEAR™ GI0801-T6971

## Description:

- Omni directional antenna for in-building coverage applications such as DAS
- Wide band SISO antenna for 5G coverage in 600MHz and 3.5GHz bands



617-960, 1695-2690 and 3300-4200 SISO Omni Antenna

## Electrical Specifications

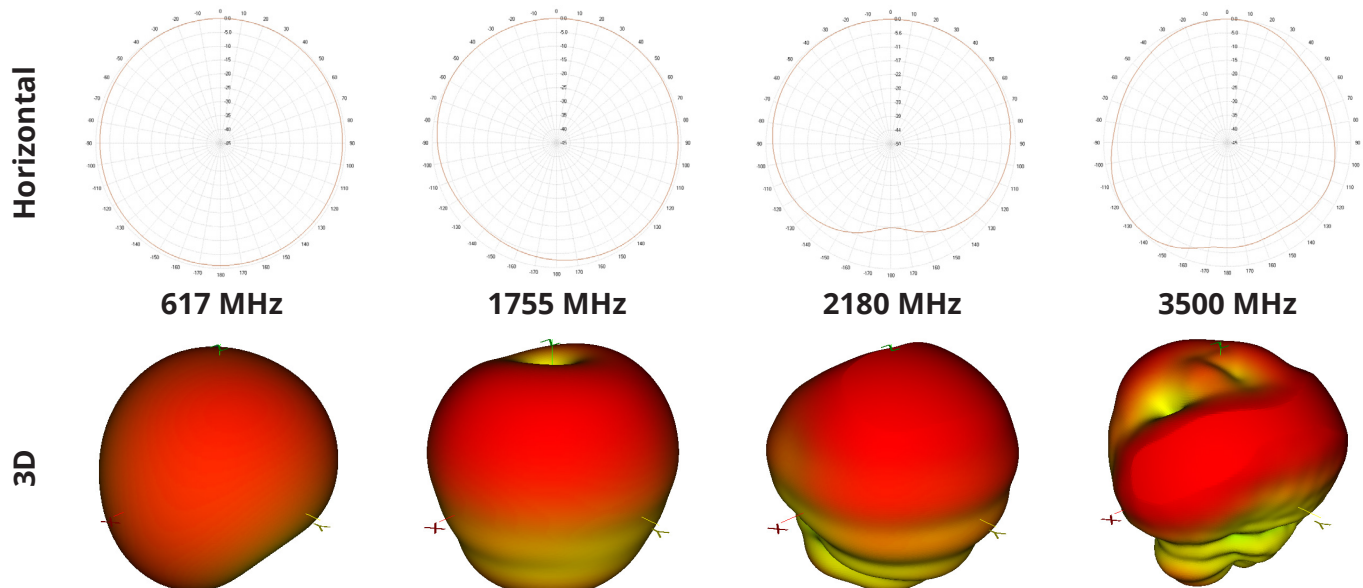
| Frequency Band [MHz]   | 617-960                               | 1695-2180 | 2180-2690       | 3300-4200       |
|------------------------|---------------------------------------|-----------|-----------------|-----------------|
| Input Connector Type   | 1x 4.3-10 (F) w/ Pigtail (12", 30 cm) |           |                 |                 |
| VSWR (max.) /RL (min.) | 1.7:1 / 11.8 dB                       |           | 1.5:1 / 14.0 dB | 1.7:1 / 11.8 dB |
| Impedance              | 50 Ω                                  |           |                 |                 |
| Polarization           | Vertical                              |           |                 |                 |
| Horizontal Beamwidth   | Omni (360°)                           |           |                 |                 |
| Gain (max.)            | 2.9 dBi                               | 6.7 dBi   | 6.4 dBi         | 6.6 dBi         |
| Gain (avg.)            | 2.0 dBi                               | 4.7 dBi   | 4.7 dBi         | 5.9 dBi         |
| Max Power / Port       | 50 W @77°F (25°C)                     |           |                 |                 |
| PIM @ 2x43 dBm         | <-153 dBc                             |           |                 | N/A             |

## Mechanical Specifications

|                                      |                               |
|--------------------------------------|-------------------------------|
| Operating Temperature                | -40° to 158°F (-40° to +70°C) |
| Antenna Weight                       | 0.90 lbs (0.41 kg)            |
| Antenna Dimension (Height xDiameter) | 2.8" (72 mm) x 8.2" (208 mm)  |
| Radome Material                      | PC / ABS, UL 94-V0 Compliant  |
| Pigtail                              | Plenum Rated                  |
| RoHS                                 | Compliant                     |
| Radome Color                         | RAL 9016 (White)*             |
| Ingress Protection                   | Indoor                        |

\* Radome can be painted with recommended paint "Krylon fusion for plastic"

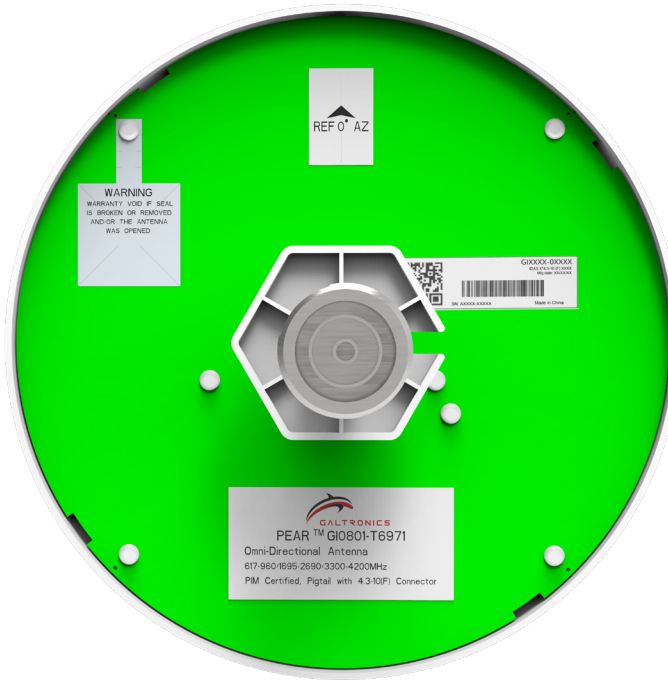
## Antenna Patterns



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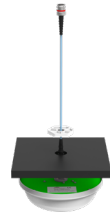


## Back View and Port Description



## Part Numbers, Ordering Options and Accessories

| Description:                   | Connectors   | Color            | Included Accessories                    | Part Number:     |
|--------------------------------|--------------|------------------|---|------------------|
| Small Form Factor SISO Antenna | 1x 4.3-10(F) | White (RAL 9016) | Standard Below Ceiling Mounting Bracket | GI0801-T6971-112 |

## Mounting Brackets and Part Numbers

| Mounting Bracket(s):   | Part Number:  |
|--|---|
| <p><b>Below Ceiling Installation (Standard)</b></p> <p>Fasteners for below suspended ceiling mounting included with antenna. Maximum ceiling thickness 1.18" (30mm).</p> <p>Instructions: Drill a 1.18" (30mm) hole in the ceiling tile. Secure the antenna to the ceiling tile with the supplied plastic nut.<br/><b>Included with antenna.</b></p> |                  |
| <p><b>Hard Ceiling Installation Bracket (Optional)</b></p> <p>The hard ceiling mounting bracket allows for installation onto drywall ceilings possible by eliminating additional access above the antenna.</p>   |  <p>62-31-09</p> |
| <p><b>Above Ceiling Installation Bracket (Optional)</b></p> <p>The antenna can be installed above suspended ceilings by using this optional mounting kit.</p>  |  <p>62-46-03</p> |

**Mating Connector Torque:**  
4.3-10 44.3 in-lb (5 Nm)

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