

Small Form Factor MIMO Antenna [617-960 MHz, 1695-2690 MHz]

PEAR™ GI0802-06684

Description:

- Ceiling mount omni directional antenna covering 617-960 MHz and 1695-2690 MHz.
- MIMO IDAS and Small Cell applications requiring ceiling mounted omni antennas.



617-960 MHz & 1695-2690 MHz Omni Antenna

Electrical Specifications

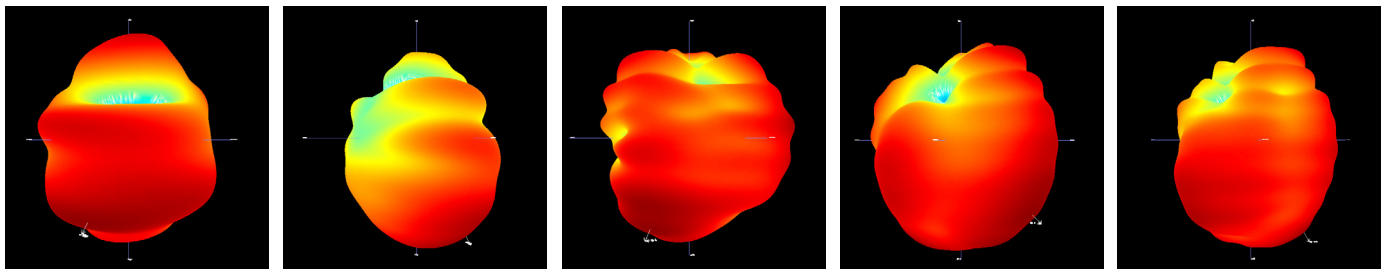
Frequency Band [MHz]	617-698	698-806	806-960	1695-1850	1850-1990	1990-2180	2180-2400	2400-2690
Input Connector Type	2x 4.3-10(F) w/ pigtail (12", 30cm)							
VSWR/Return Loss	<1.93:1 / >10 dB	<1.7:1 / >11.7 dB		<1.5:1 / >14.0 dB				
Impedance	50 Ω							
Polarization	Vertical & Horizontal							
Horizontal Beamwidth	Omni (360°)							
Isolation	>9 dB			>20 dB				
Gain (max.)	3.4 dBi	3.7 dBi	5.5 dBi	4.5 dBi	4.6 dBi	4.5 dBi	4.8 dBi	5.4 dBi
Gain (avg.)	2.7 dBi	3.0 dBi	4.3 dBi	4.1 dBi	4.3 dBi	4.3 dBi	4.3 dBi	4.9 dBi
Max Power / Port	50 Watts at ambient temperature 77°F (25°C)							
PIM @ 2x43 dBm	<-153 dBc							

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	0.95 lbs (0.43 kg)
Antenna Diameter	8.2" (208 mm)
Antenna Height	2.8" (72 mm)
Radome Material	PC / ABS, UL 94-V0 Compliant
Pigtail	Plenum Rated
RoHS	Compliant
Radome Color	White*
Ingress Protection	Indoor

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

3D Patterns



640 MHz

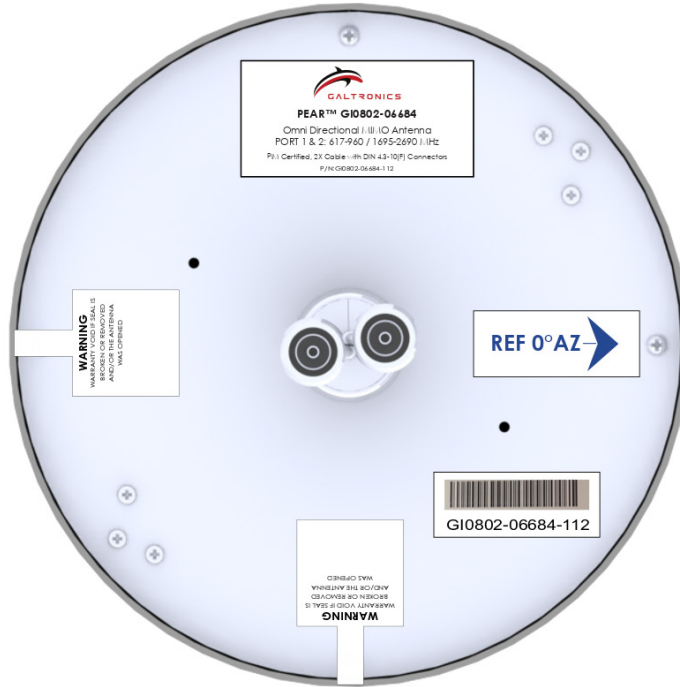
862 MHz

1695 MHz

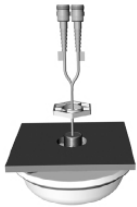
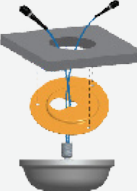

2305 MHz

2516 MHz

Back View and Port Description



Part Numbers, Ordering Options and Accessories

Description:	Part Number:
Antenna with 2x 4.3-10 DIN (F) Connectors	GI0802-06684-112
Mounting Bracket(s):	Part Number:
<p>Below Ceiling Installation (Standard)</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.</p> <p>Included with antenna.</p>	
<p>Hard Ceiling Installation Bracket (Optional)</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>Above Ceiling Installation Bracket (Optional)</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)