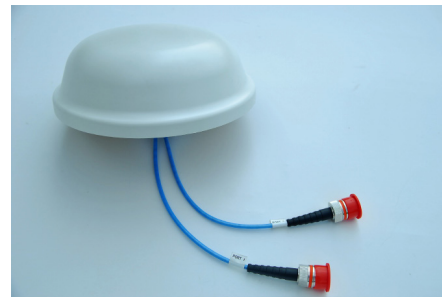


Small Form Factor MIMO Antenna [694-960,1695-2700 and 3400-3800 MHz]

PEAR™ GI0802-06319

Description:

- Ceiling mount omni directional antenna covering 694-960,1695-2700 and 3400-3800 MHz.
- MIMO IDAS and Small Cell applications requiring ceiling mounted omni antennas.



694-960, 1695-2700 and 3400-3800 MHz Omni Antenna

Electrical Specifications

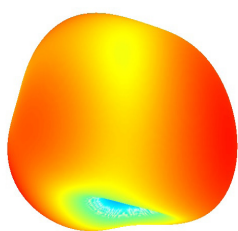
Frequency Band [MHz]	694-790	790-960	1695-1780	1780-1990	1990-2180	2305-2360	2360-2700	3400-3800
Input Connector Type	2x 4.3-10(F) w/ pigtail (12", 30cm)							
VSWR/Return Loss	<1.5:1 / >14 dB							<1.7:1 / >11.7 dB
Impedance	50 Ω							
Polarization	Vertical & Horizontal							
Horizontal Beamwidth	Omni (360°)							
Isolation (min.)	16 dB	19 dB	25 dB				15 dB	
Gain (max.)	4.0 dBi	4.6 dBi	3.6 dBi	4.6 dBi	5.3 dBi	5.6 dBi	5.8 dBi	6.0 dBi
Gain (avg.)	3.0 dBi	3.9 dBi	3.3 dBi	3.7 dBi	4.8 dBi	5.4 dBi	5.3 dBi	4.9 dBi
Max Power / Port	50 Watts at ambient temperature 77°F (25°C)							
PIM @ 2x43 dBm	<-153 dBc							

Mechanical Specifications

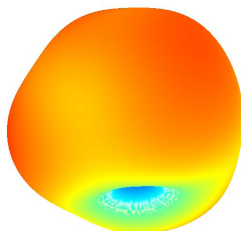
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	0.95 lbs (0.43 kg)
Antenna Diameter	8.2" (208 mm)
Antenna Height	2.8" (72 mm)
Radome Material	PC / ABS, UL 94-V0 Compliant
Pigtail	Plenum Rated
RoHS	Compliant
Radome Color	RAL 9016 (white)*
Ingress Protection	Indoor

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

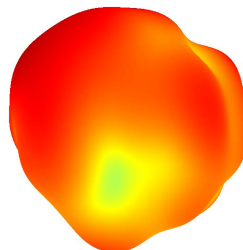
3D Patterns



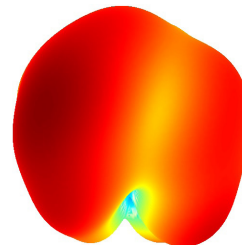
710 MHz



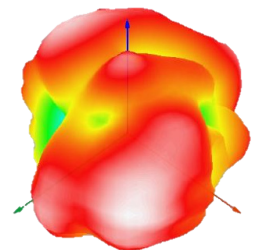
822 MHz



1710 MHz

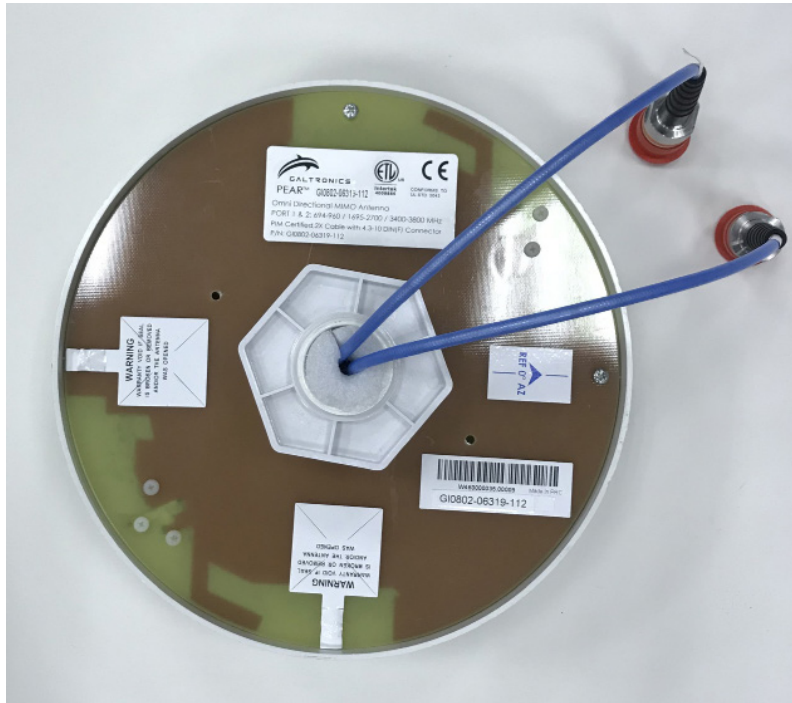


2120 MHz


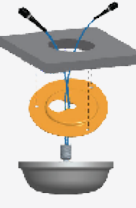



3500 MHz

Back View and Port Description



Part Numbers, Ordering Options and Accessories

Description:	Part Number:
Antenna with 2x 4.3-10 DIN (F) Connectors	GI0802-06319-112
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. Included with the antenna.</p>	 <p>Included with the 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)