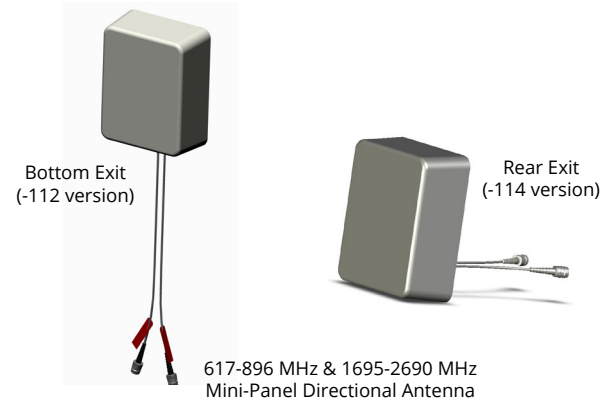


Indoor/Outdoor MIMO Mini-Panel Antenna [617-896 MHz, 1695-2690 MHz]

PEAR™ GI1002-06685

Description:

- Directional MIMO antenna for indoor/outdoor DAS & Small Cell Applications.
- Bottom and rear exit pigtails with 2x 4.3-10 connector for flush wall mounting.
- Option for bottom or rear pigtail access



Electrical Specifications

Frequency Band [MHz]	617-698	698-806	806-896	1695-1850	1850-1990	1990-2180	2180-2400	2400-2690
Input Connector Type	2x 4.3-10 DIN(F) w/ pigtails (12", 30cm)							
VSWR (Max.) /RL (Min.)	1.6:1/12.7 dB				1.5:1/14 dB			
Impedance	50 Ω							
Polarization	Dual Slant 45° (±45°)							
Isolation (Min.)	20 dB							
Front to Back Ratio (typ.)	22 dB	24 dB	28 dB	22.5 dB	24 dB	28 dB	29 dB	29 dB
Max Power / Port	50 Watts at ambient temperature 77°F (25°C)							
PIM @ 2x43 dBm	N/A	<-153 dBc						

For Bottom Exit (-112 version):

Horizontal Beamwidth	83°	82°	78°	75°	75°	73°	65°	66°
Vertical Beamwidth	80°	81°	80°	56°	67°	71°	49°	44°
Gain (Max.)	7.0 dBi	7.1 dBi	7.3 dBi	7.5 dBi	7.7 dBi	7.3 dBi	8.3 dBi	8.4 dBi
Gain (Avg.)	6.6 dBi	6.9 dBi	6.8 dBi	7.2 dBi	7.0 dBi	6.9 dBi	7.6 dBi	7.5 dBi

For Rear Exit (-114 version):

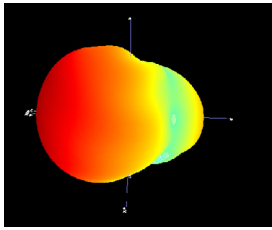
Horizontal Beamwidth	91°	88°	80°	73°	77°	74°	60°	52°
Vertical Beamwidth	76°	88°	83°	58°	75°	61°	45°	37°
Gain (Max.)	7.4 dBi	7.4 dBi	7.4 dBi	7.9 dBi	7.3 dBi	7.3 dBi	8.0 dBi	8.3 dBi
Gain (Avg.)	6.5 dBi	6.3 dBi	6.8 dBi	6.5 dBi	6.3 dBi	6.8 dBi	7.6 dBi	7.6 dBi

Mechanical Specifications

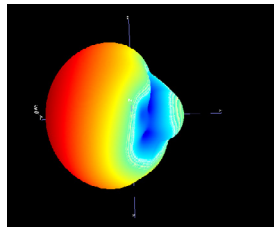
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	1.2 lbs (~0.55 kg)
Antenna Dimension (HxWxD)	10.2" (259 mm) x 8.0" (203 mm) x 3.9" (100 mm)
Radome Material & Color	ASA, UL94-V0 Compliant (White*)
Pigtail	Plenum Rated
RoHS	Compliant
Ingress Protection	Indoor/Outdoor (IP65)

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

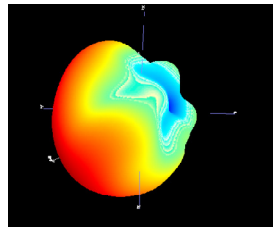
Antenna Patterns



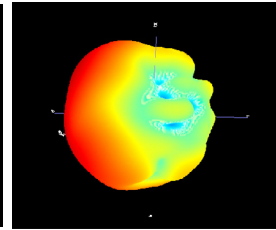
650 MHz



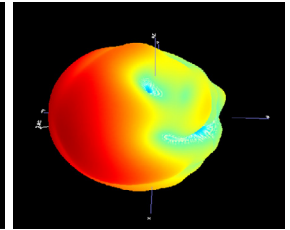
760 MHz



1700 MHz



2360 MHz

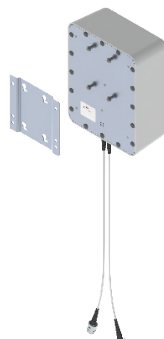
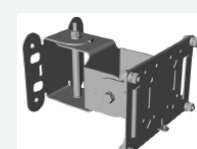


2583 MHz

Part Numbers, Ordering Options and Accessories

Description:	Connectors	Color	Included Accessories	Part Number:
Indoor/Outdoor Mini-Panel Antenna (Bottom Exit)	2x 4.3-10(F)	White (RAL 9016)	Standard wall mounting plate	GI1002-06685-112
Indoor/Outdoor Mini-Panel Antenna (Rear Exit)	2x 4.3-10(F)	White (RAL 9016)	Standard wall mounting plate	GI1002-06685-114

Mounting Brackets and Part Numbers

Mounting Bracket(s):	Part Number:
<p>Mounting Plate Installation (Standard)</p> <p>Attach the mounting plate to the wall. Slide the antenna onto the mounting plate and secure with locking screw.</p>	
<p>Swivel Mounting Bracket (Optional)</p> <p>The swivel mounting bracket allows the antenna to be articulated +/- 45° in both the horizontal and vertical plane. The bracket can be mounted on a pole or on a wall.</p>	 <p>62-29-03</p>

Mating Connector Torque:
4.3-10: 3.7 ft-lb (5 Nm)