

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

PEAR™ GI0804-T6846

Description:

- Ceiling mount omni directional antenna covering 617-960, 1695-2690 and 3300-4200 MHz.
- MIMO iDAS and Small Cell applications requiring ceiling mounted omni antennas.
- Dedicated Low/Midband & Highband ports for close location of 3.5GHz radios



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

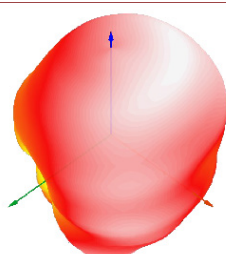
Electrical Specifications

Frequency Band [MHz]	617-698	698-806	806-960	1695-1850	1850-1990	1990-2180	2180-2400	2400-2690	3300-4200
Input Connector Type	2x 4.3-10(F) Pigtail (17", 43.2 cm)								2x 4.3-10(F) Pigtail (17", 43.2 cm)
VSWR (max.) / RL (min.)	1.8:1 / 11.0 dB			1.7:1 / 12.0 dB					1.7:1 / 12.0 dB
Impedance	50 Ω								
Polarization	Vertical & Horizontal								
Horizontal Beamwidth	Omni (360°)								
Isolation (P1-P2, min.)	12 dB			17 dB					N/A
Isolation (P3-P4, min.)	N/A								17 dB
Isolation, Interband (min.)	16 dB			12 dB					16 dB
Gain (max.)	3.1 dBi	3.3 dBi	4.4 dBi	5.5 dBi	5.2 dBi	5.2 dBi	6.2 dBi	6.4 dBi	7.5 dBi
Gain (avg.)	1.9 dBi	2.6 dBi	3.3 dBi	4.7 dBi	4.3 dBi	3.5 dBi	5.0 dBi	5.5 dBi	5.4 dBi
Max Power / Port	50 W @77°F (25°C)								
PIM @ 2x43 dBm	<-153 dBc								N/A

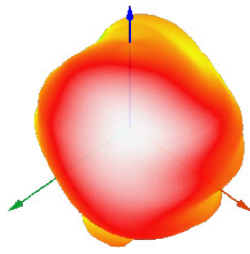
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	0.95 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

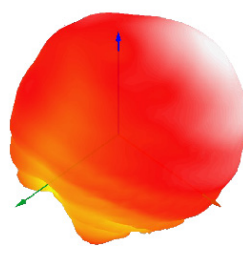
* Radome can be painted with recommended paint "Krylon fusion for plastic"



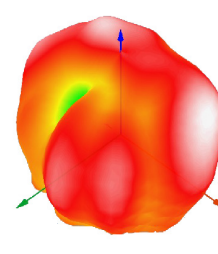
682 MHz



877 MHz



1880 MHz

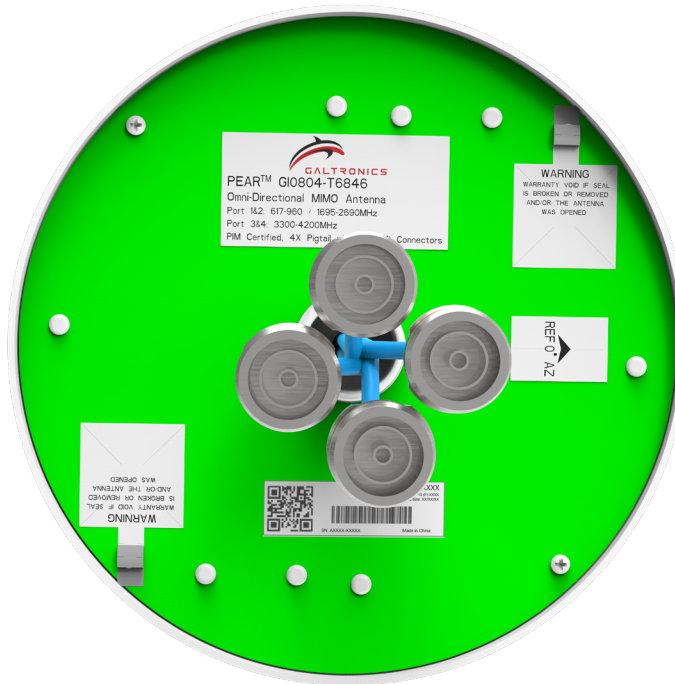


3350 MHz

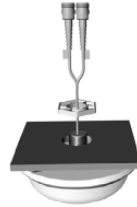
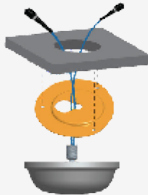
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Back View and Port Description



Part Numbers, Ordering Options and Accessories

Description:	Part Number:
Antenna with 4x 4.3-10 DIN (F) Connectors	GI0804-T6846-112
Mounting Bracket(s):	Part Number:
Below Ceiling Installation (Standard) Fasteners for below suspended ceiling mounting included with antenna. Maximum ceiling thickness 1.18" (30mm). 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 antenna.	
Hard Ceiling Installation Bracket (Optional) The hard ceiling mounting bracket allows for installation onto drywall ceilings possible by eliminating additional access above the antenna.	 62-31-09
Above Ceiling Installation Bracket (Optional) The antenna can be installed above suspended ceilings by using this optional mounting kit.	 62-46-03

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