

Broadband In-Building SISO Antenna [694-6000MHz]

PEAR™ S4935i w/ Pigtail

Description:

- Broadband ceiling mount omni antenna covering 694-6000MHz.
- SISO IDAS and Small Cell applications requiring ceiling mounted omni antennas.



694-6000MHz Omni Antenna

Electrical Specifications										
Frequency Band [MHz]	694-790	790-960	1695-1780	1780-1990	1990-2180	2305-2360	2360-2700	2700-3200	3200-5100	5100-6000
Input Connector Type	1x N-Type(F) DIN or 4.3-10(F) DIN w/ pigtail (17", 43cm)									
VSWR/Return Loss	<1.5:1 / 14.0 dB							< 2.0:1 / 9.5 dB		< 2.2:1 / 8.5 dB
Impedance	50 Ω									
Polarization	Vertical									
Horizontal Beamwidth	Omni (360°)									
Max. Gain	2.5 dBi	3.5 dBi	6.2 dBi	6.2 dBi	6.8 dBi	6.9 dBi	6.9 dBi	6.0 dBi	6.2 dBi	7.1 dBi
Avg. Gain	2.2 dBi	2.6 dBi	5.7 dBi	5.7 dBi	6.5 dBi	6.1 dBi	6.1 dBi	5.6 dBi	5.3 dBi	6.3 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	1.65 lbs (750 g)
Antenna Diameter	13.2" (335 mm)
Antenna Height	4.9" (124 mm)
Radome Material	PC / ABS
Flamibility rating	UL 94-V0
Approved for Use in Plenum Spaces	Listed & Tested by Intertek / ETL
RoHS	Compliant
Radome Color	RAL 9016 (white)*
Ingress Protection	Indoor
Shipping Dimensions - L x W x D	16.7"x15.1"x10.4" / 425x385x265mm
Shipping Weight (Gross Weight)	5.73 lbs (2.6 kg)

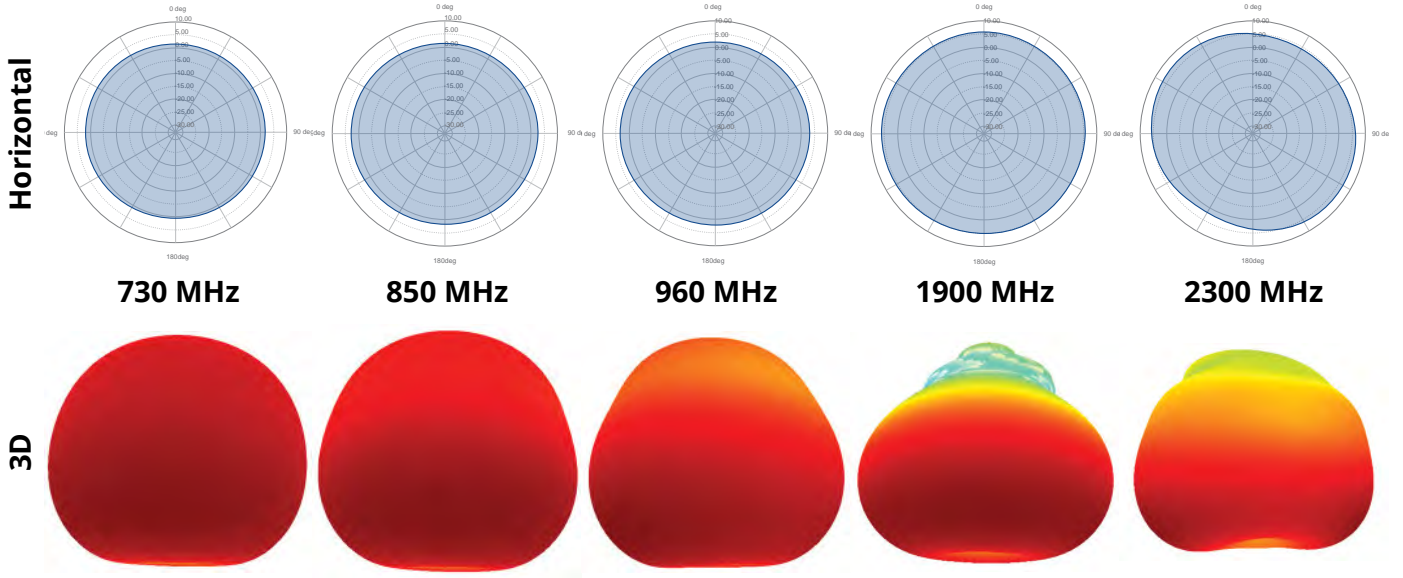
* Radome can be painted with recommended paint "Krylon fusion for plastic"

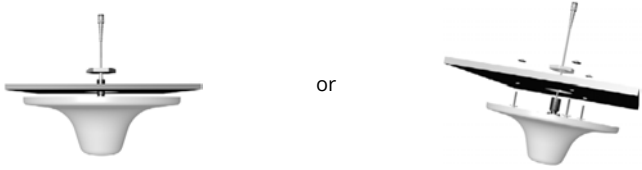



Matting Male Connector Torque:

- N-Type: 26.6 in-lb (3 Nm)
- 4.3-10: 44.3 in-lb (5 Nm)

Additional Technical Information

Antenna Patterns



Part Numbers, Ordering Options and Accessories	
Description:	Part Number:
Antenna with 1x N-Type DIN (F) Connectors	02121269-04935U
Antenna with 1x 4.3-10 DIN (F) Connectors	02130269-04935U
Mounting Bracket(s):	Part Number:
<p>Below Ceiling Installation (Standard)</p> <p>Drill a hole with a 1.18" (30mm) diameter thru the ceiling tile and secure the antenna with the supplied plastic nut.</p> <p>Optional Installation: The antenna can be installed using the supplied M4 threaded rod (x3) and M4 nuts.</p>	
<p>Through Ceiling Installation (Optional)</p> <p>The through ceiling mounting kit can be used to reduce the visual appear of the antenna by 40%.</p>	 <p>62-17-09</p>
<p>Above Ceiling Installation (Optional)</p> <p>The through ceiling mounting kit can be used to reduce the visual appear of the antenna by 40%.</p>	 <p>62-40-09</p>
<p>Hard Ceiling Installation (Optional)</p> <p>The hard ceiling mounting kit can be used to mount the antenna to drywall and concrete ceilings</p>	 <p>62-54-09</p>