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Omni DAS Series
Flat Omni SISO 5G+TETRA Antenna

Part number: OD350-6000S143



Features & Applications:

- *4G / 5G-FR1 600-6000MHz*
- *Includes public safety, PMR, TETRA band 350-520MHz*
- *In-building ceiling mount*
- *Horizontal omni radiation pattern*
- *Low PIM and SAR compliant*
- *Connector 4.3-10-Female as standard*
- *For N-Female connector use P/N: OD350-6000S1NF*
- *Hard ceiling mount kit available on separate request*

ELECTRICAL SPECIFICATIONS

OD350-6000S143

Frequency range		MHz	350-520	600-960	1350-1550	1690-2700	3300-4200	4900-6000
Gain		dBi	3.0±1	3.0±1	4.0±1	4.0±1	5.0±1	5.0±1
Polarization			Horizontal					
Beam width	Horizontal	deg	360					
	Vertical		130	90	70	60	55	30
VSWR			≤2		≤1.8			
PIM,3rd order,2x20W		dBc	-150					
Max. input power		W	50					
Impedance		Ohm	50					
SAR compliance			Compliant based on whole-body SAR limit RF Exposure calculation (CEI EN 50383)					

MECHANICAL SPECIFICATIONS

OD350-6000S143

Dimension (Diameter x Height)	Housing Material	Color	Weight	Mounting Kit	
Φ290×10 mm (11.42 x 0.394 inch)	PC/ABS, UV Protected	White	0.47Kg (1.034lbs)	Ceiling, via hole (standard)	

Wireless Technology	No. of Port	Cable Length	Cable Type	Connector Type
5G FR1, TETRA	1	1Ft (0.3m)	Ø 0.160" low loss	4.3-10-Female

ENVIRONMENTAL SPECIFICATIONS

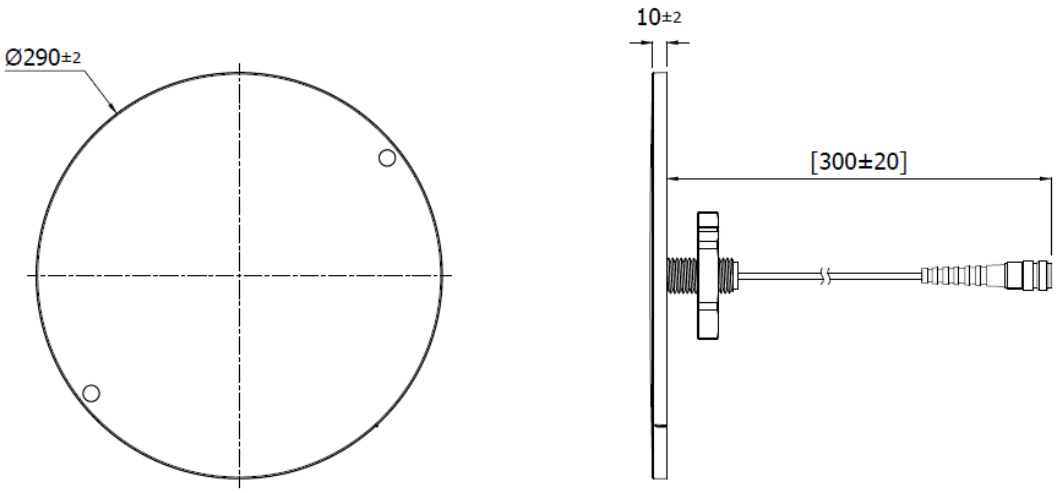
OD350-6000S143

Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection	Warranty
-55 / +60° C	-55 / +60° C	Yes	IP50	2 years

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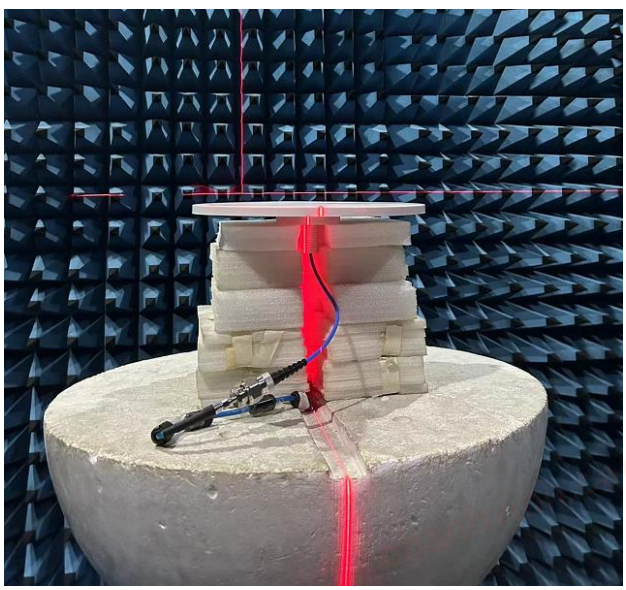
Mechanical Drawing

OD350-6000S143



Test Setup

General / Chamber Setup

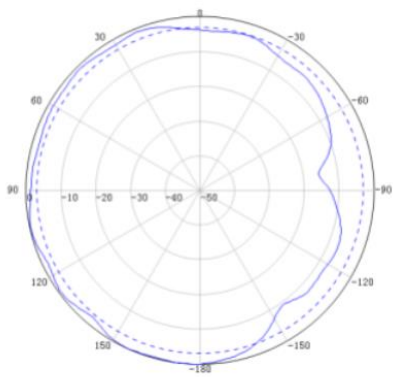


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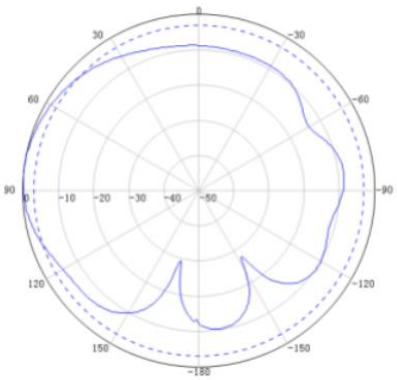
Radiation Pattern –Vertical and Horizontal Plane

OD350-6000S143

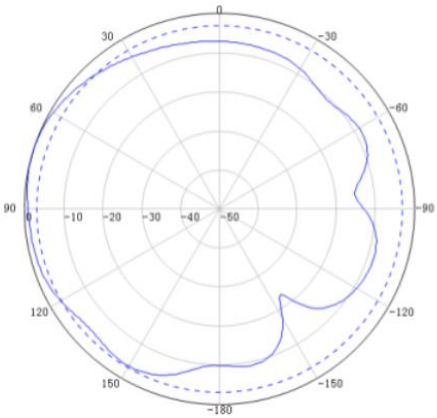
Vertical



800MHz

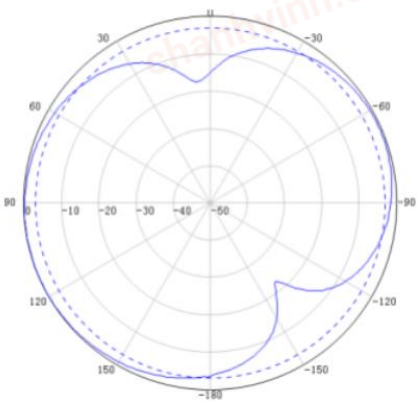


2170MHz

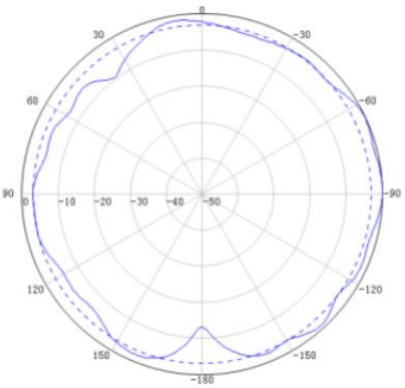


2500MHz

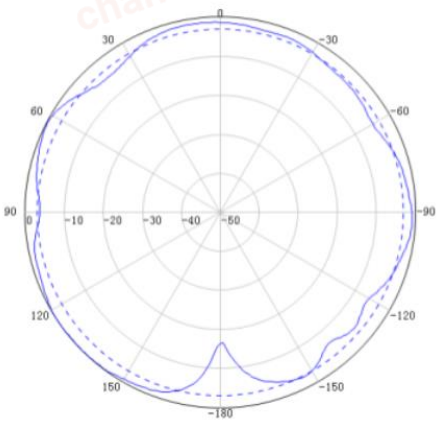
Horizontal



800MHz



2170MHz



2500MHz

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PACKAGING

OD350-6000S143

1.Inner box: 830*310*310mm;

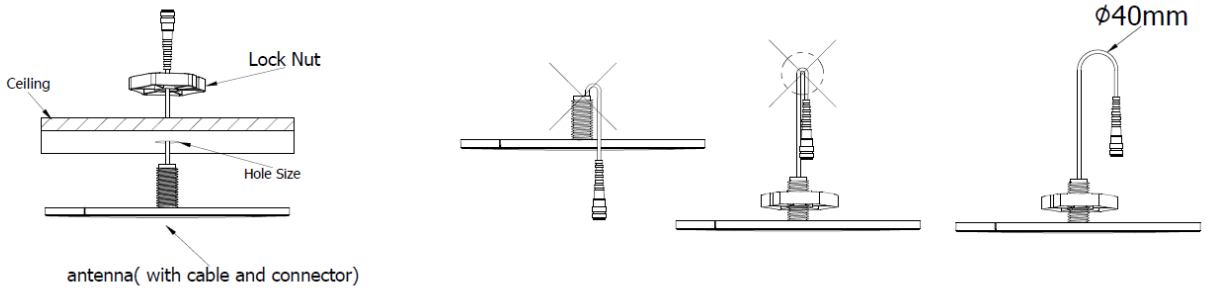
2.Outer box size: 645*460*460mm;

3. 20Pcs/Carton;

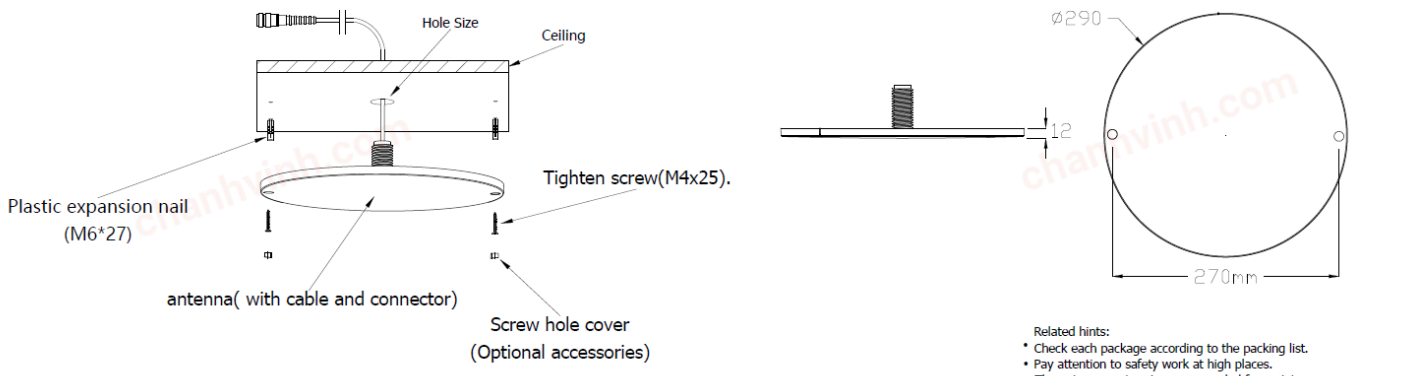
Installation instructions

OD350-6000S143

Method 1:



Method 2:



Related hints:
- Check each package according to the packing list.
- Pay attention to safety work at high places.
- The antenna system is recommended for maintenance every year.

Recommended Hole Size
≥Ø26 - N-Type
≥Ø26 - Mini DIN(4.1/9.5)
≥Ø32 - 7/16

Notes:
1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:
Americas - antennas.us@pulseelectronics.com | Europe – antennas.eu@pulseelectronics.com | Asia – antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
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