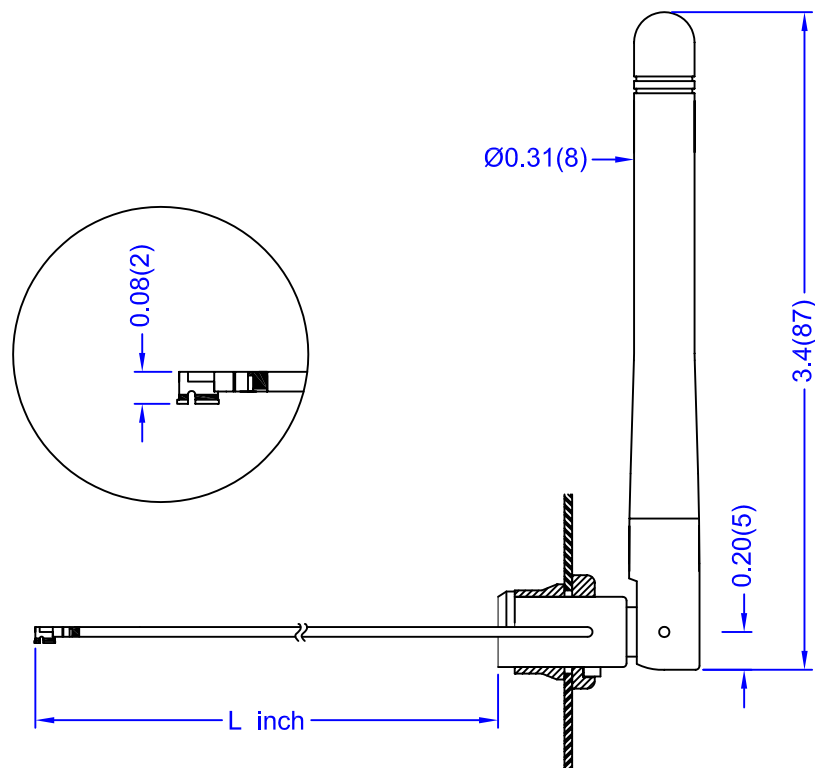




Electrical Properties:

Frequency Range: 2.4~2.5 GHz
 Impedance: 50Ω nominal
 VSWR: <2.0:1
 Gain: *2.0 dBi
 Radiation: Omni
 Polarization: Vertical

*Gain is measured under no flying lead.

Mechanical Properties:

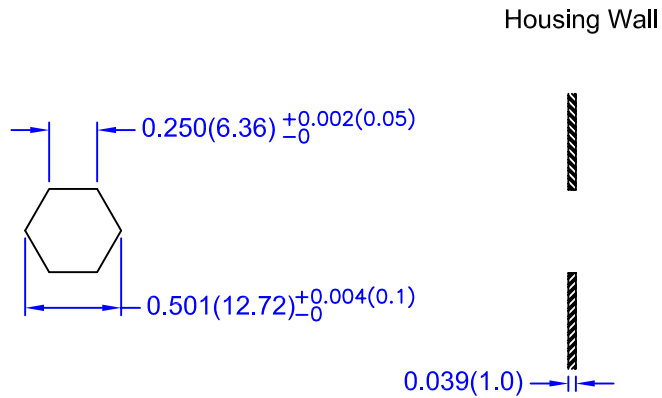
Cable: 1.37mm dia. Coax
 Cable Length: Standard length L=6 inches
 or to be specified.
 Connector: IPEX MHF micro coaxial connector
 Plug(female) 20278-**1R-32
 fit for IPEX: 20279-001E-01;
 Hirose: CL331-0471-0-10

Material:
 Overmold: Polyurethane(Black); BASF
 Bushing: Polycarbonate(Black); Bayer
 Swivel: Polyurethane(Black); BASF and
 Polycarbonate(Black); Bayer

Operation Temp.: -20°C to +65°C
 Storage Temp.: -30°C to +75°C

TITLE	2.4GHz flying lead panel click antenna - 131 model		DATE	SHEET
			123004	1 of 4
UNIT	DWG. NO.	S131CL - L - PX - 2450S		
in.(mm)				
SCALE				
None				

NEARSON

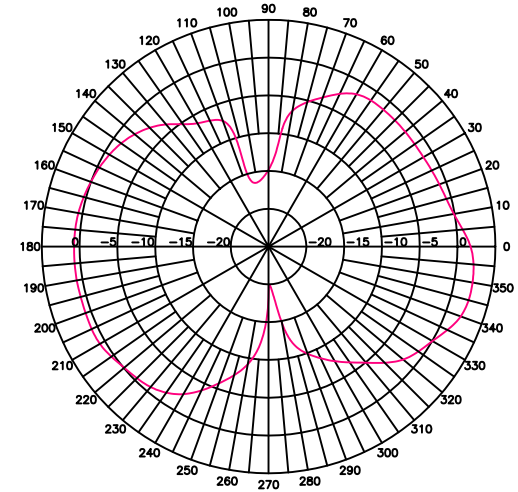


Recommended Mounting - Hole Dimensions

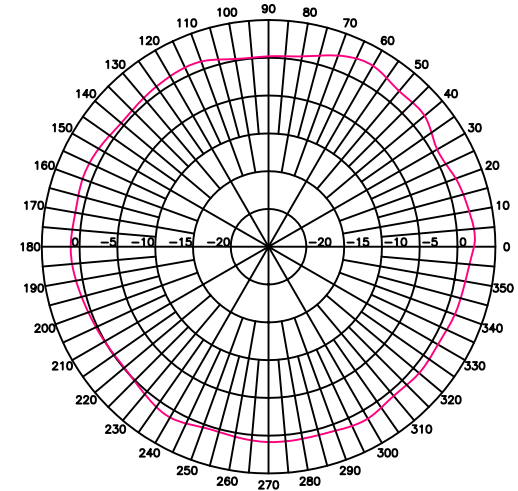
L (inch)	Attenuation (dB)
3"	0.23 dB
4"	0.30 dB
5"	0.38 dB
6"	0.45 dB
8"	0.60 dB
10"	0.75 dB
12"	0.90 dB

Flying Lead Cable Length v.s. Attenuation Table
1.37mm Cable Measured @ 2.45GHz

E-Plane Pattern @ 2.45GHz



H-Plane Pattern @ 2.45GHz



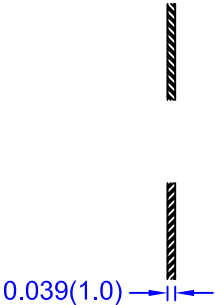
TITLE	2.4GHz flying lead panel click antenna - 131 model		DATE	SHEET
			123004	2 of 4
UNIT	DWG. NO.	S131CL - L - PX - 2450S	NEARSON	
in.(mm)				
SCALE				
None				

NEARSON

<http://www.nearson.com>

①

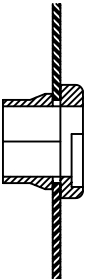
Housing Wall



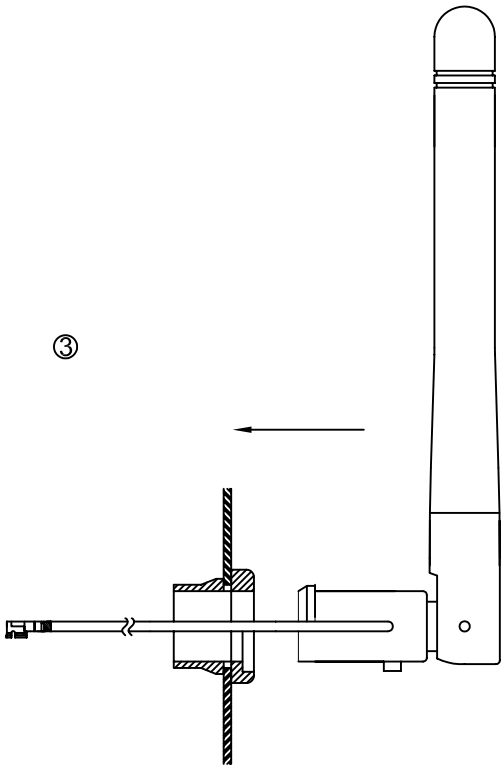
This side down

②

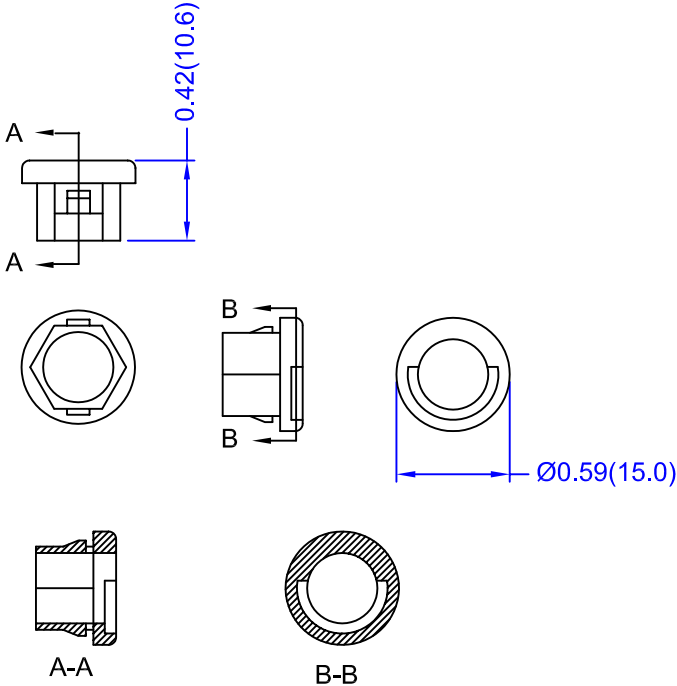
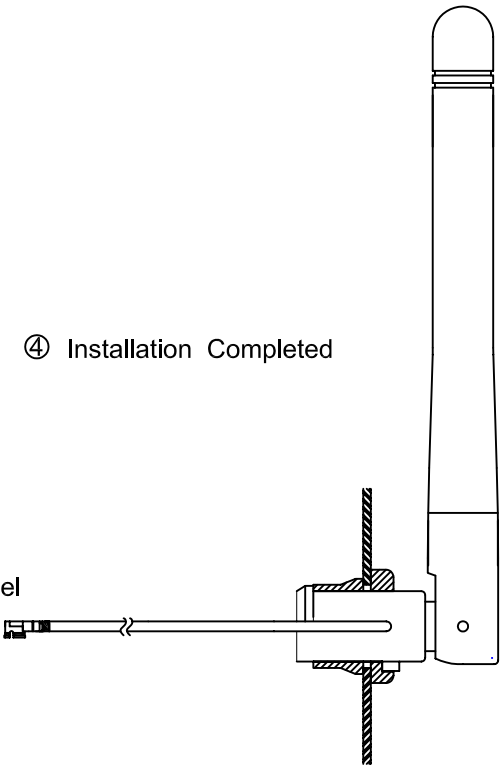
Push the Nut into the Housing Wall



③



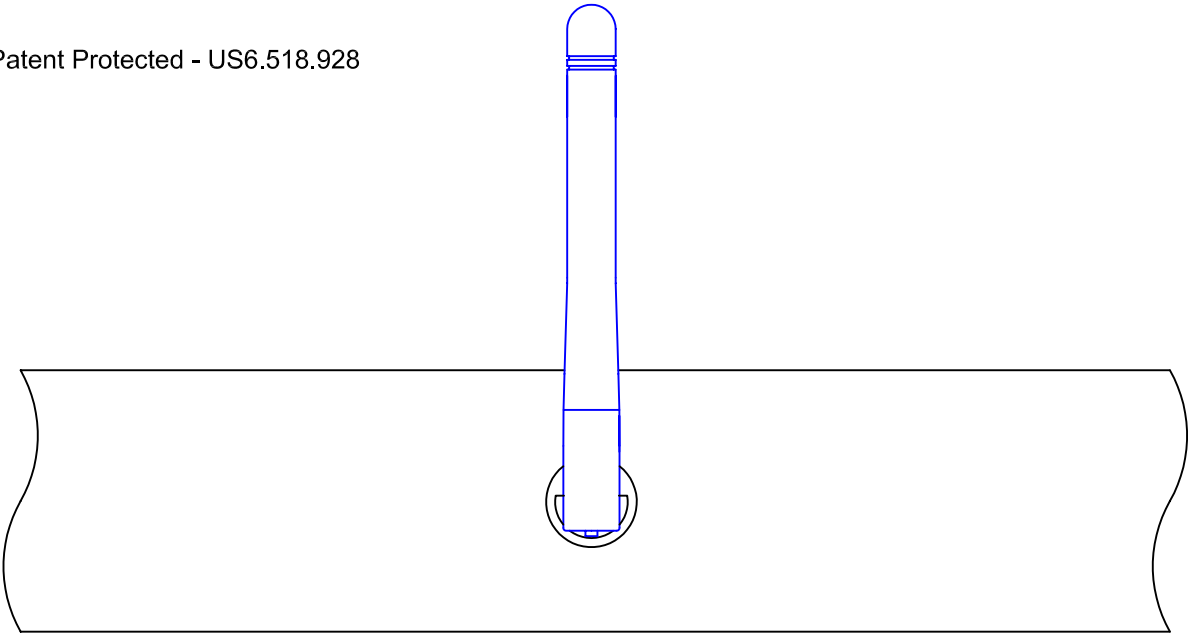
④ Installation Completed



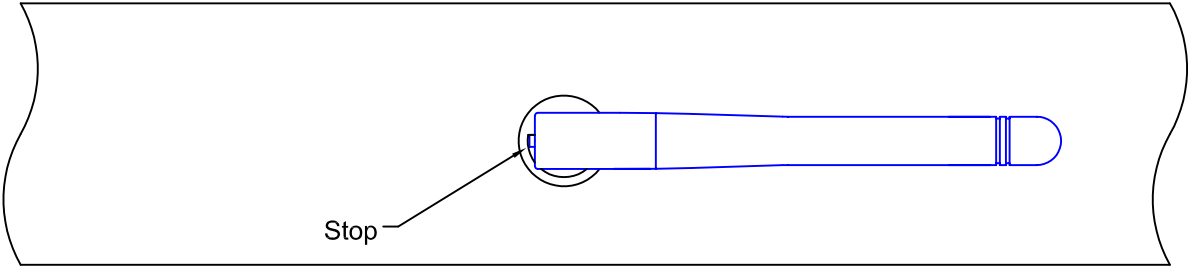
Clip Nut Details

TITLE	2.4GHz flying lead panel click antenna - 131 model		DATE	SHEET
			123004	3 of 4
UNIT	DWG. NO.	S131CL - L - PX - 2450S		
in.(mm)				
SCALE				
None				

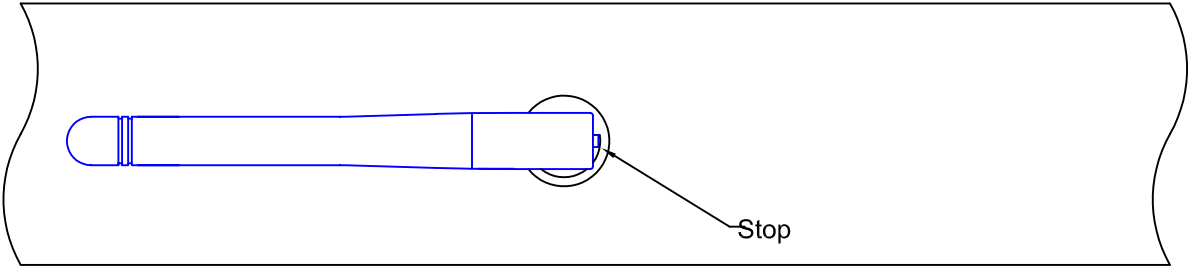
NEARSON



Antenna Upword



Rotation +90°



Rotation -90°

- 1. 131CL model can also rotate in panel parallel direction.
- 2. Rotate in -90° to +90° prevent the cable over-twisted inside the device.
- 3. The antenna can stay in any angle between -90° and +90°.

TITLE	2.4GHz flying lead panel click antenna - 131 model		DATE	SHEET
			123004	4 of 4
UNIT	DWG. NO.	S131CL - L - PX - 2450S		
in.(mm)				
SCALE	NEARSON			
None				