

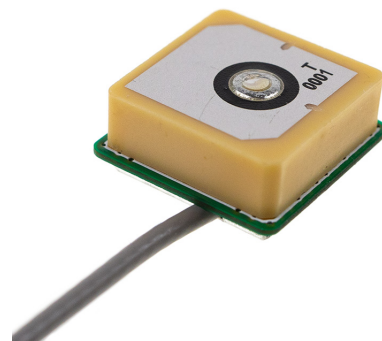


GPS ANTENNA

Internal GPS Active Patch Antenna
13.4x13.4x6.4, 22 dBi, U.FL088,
57 mm

AP-AA12-24U-V2

SECTRON company offers a wide portfolio of GPS antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.



BENEFITS

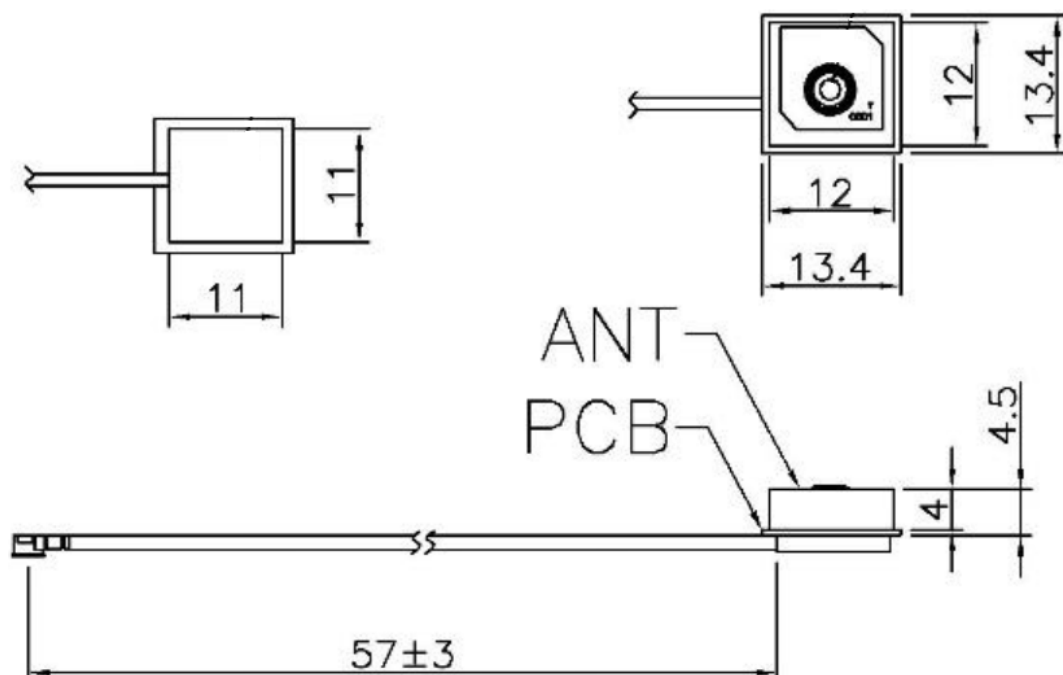
- High gain
- Low VSWR

FEATURES

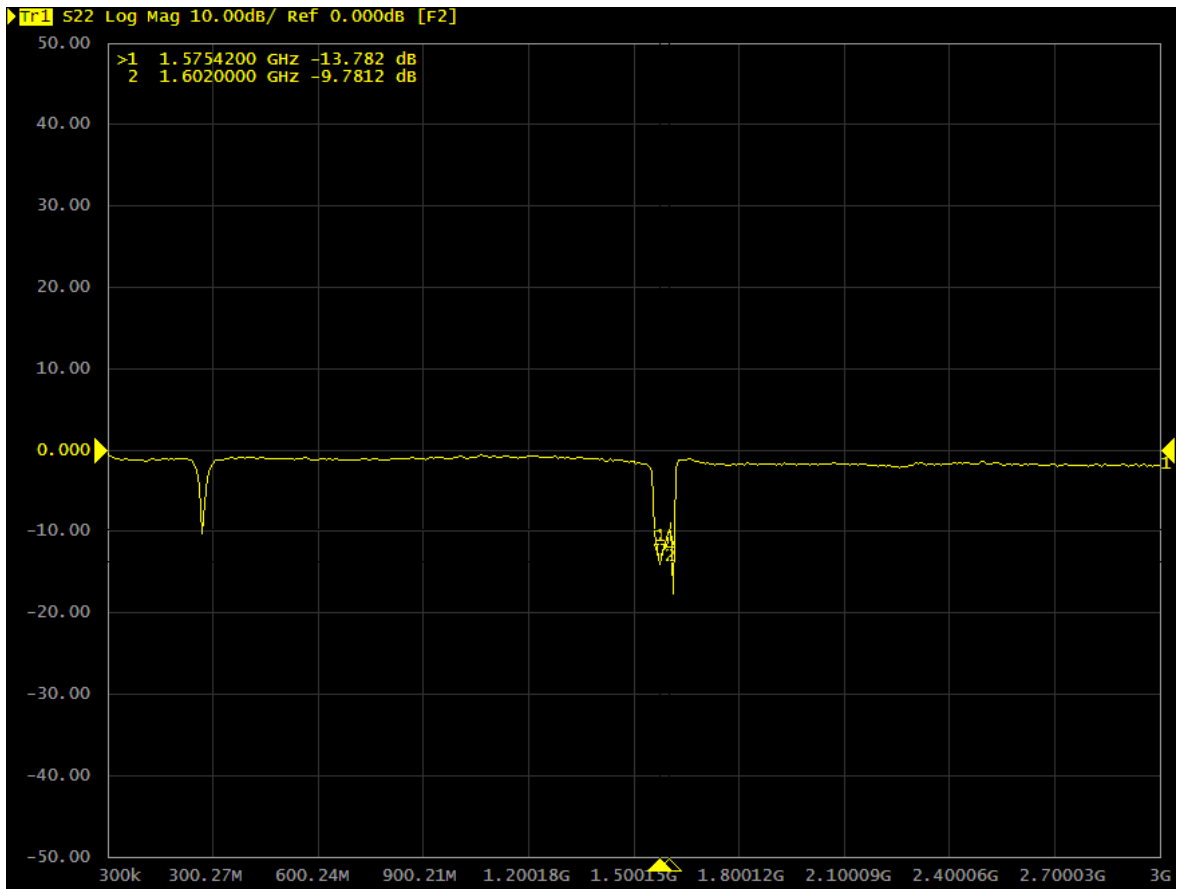
AP-AA12-24U-V2

Technology	GPS
Frequency bands	1575.42/1602 MHz
Bandwidth	-
Gain	0 dBi
LNA Gain	22 dB
VSWR	<2:1
Impedance	50 Ohm
Directivity	Directional
Beam angle	H 360° V 30°
Polarization	R.H.C.P
Maximum input power	10 W
Power voltage	2.5 - 4.0 V DC
Dimensions	13.4 x 13.4 x 6.4 mm
Weight	4.28 g
Operating temperature	-20 to +65 °C
Execution	Internal
Method of attachment	Soldering
Cable type	Hirose088
The cable length	57 mm
Connector type	U.FL(f)
Certification	RoHS
Material	PCB

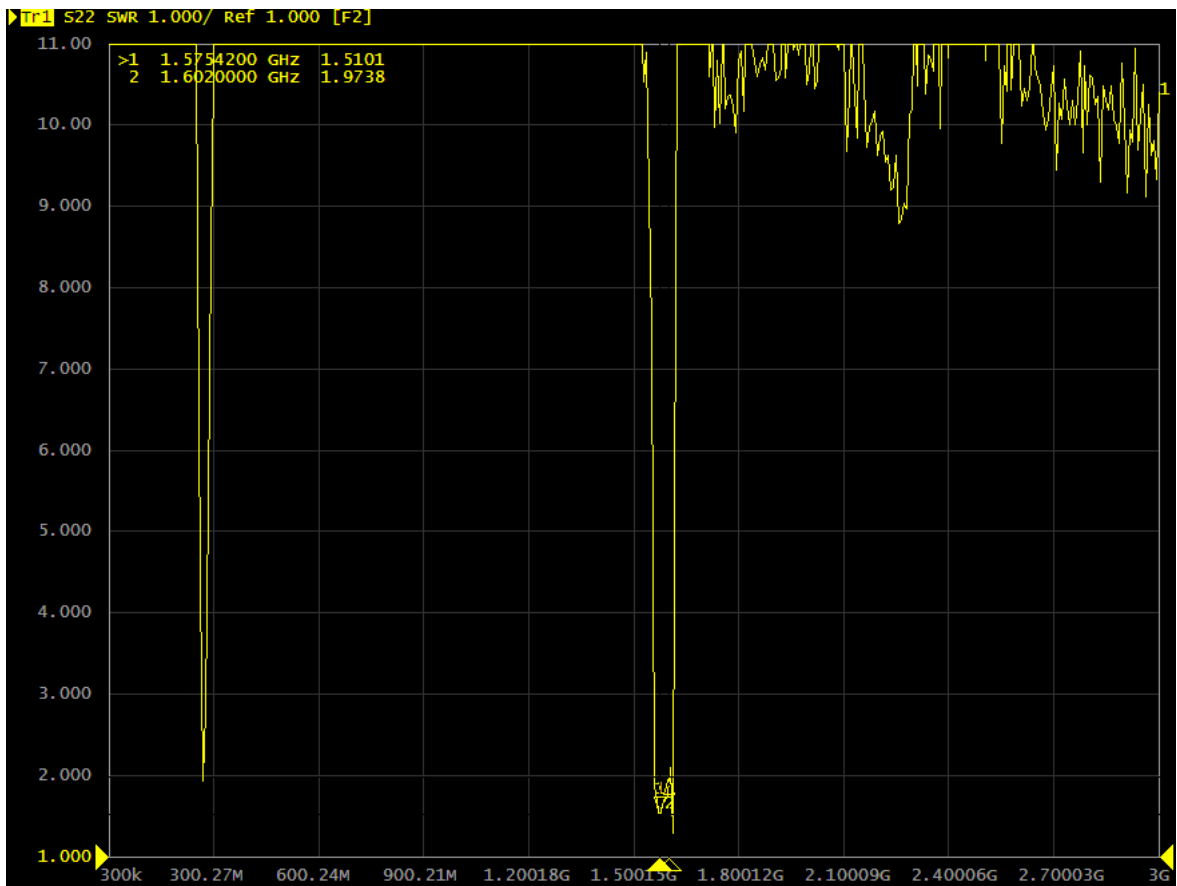
DRAWING





S_{11} - Return Loss [dB]

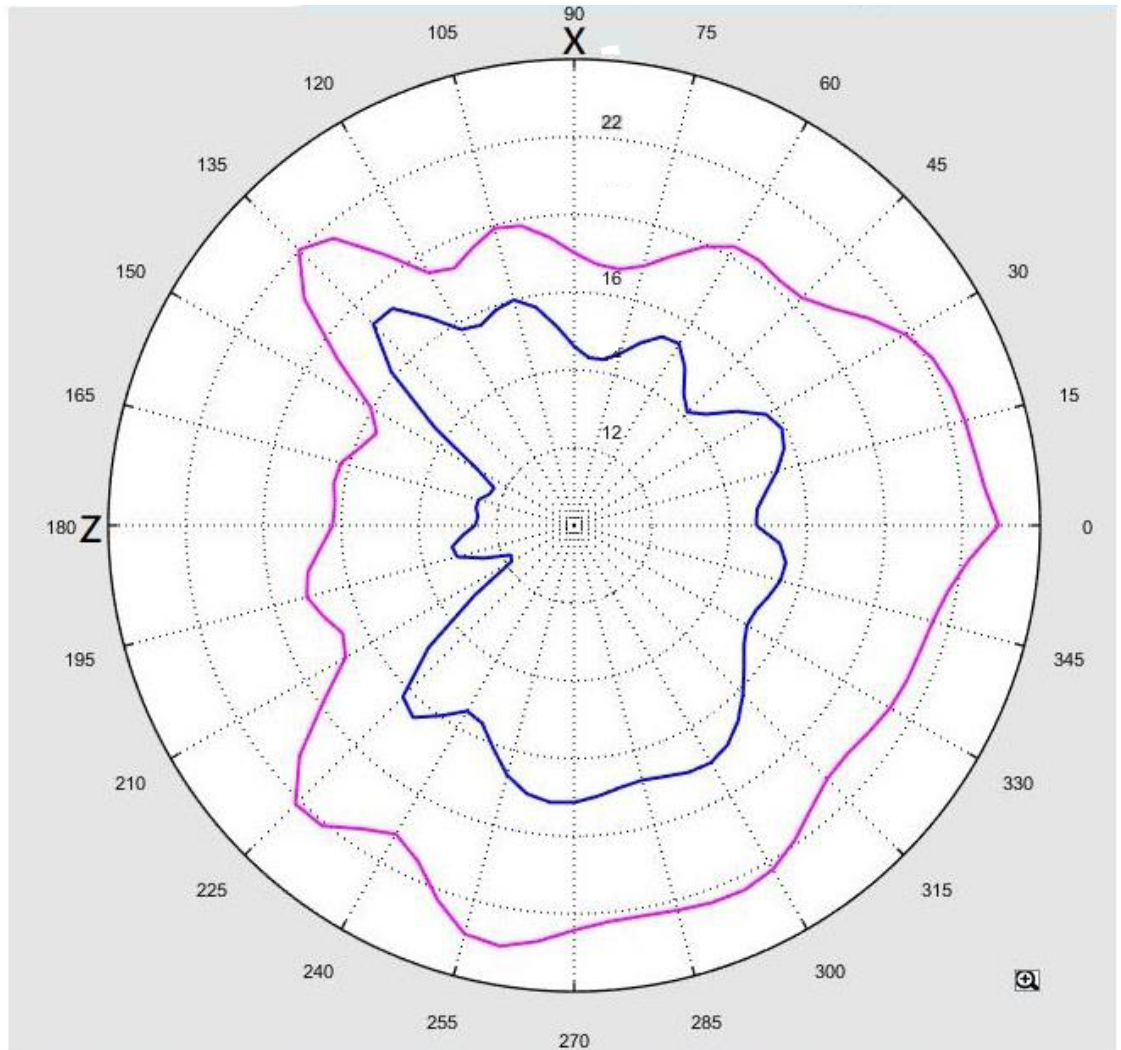


VSWR – Voltage standing wave ratio [-]



2D RADIATION PATTERN

Freq. / Chan.	Color
1.57542GHz	
1.602GHz	



SUMMARY

AP-AA12-24U-V2

Frequency [MHz]	S_{11} [dB]	VSWR [-]	Gain [dBi]
1575.42	-13.78	1.51	17.36
1602	-9.78	1.97	22.1

VARIANTS

AP-AA12-24U-V2

Different connector variants or cable lengths are available on request.

CONTACTS

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