

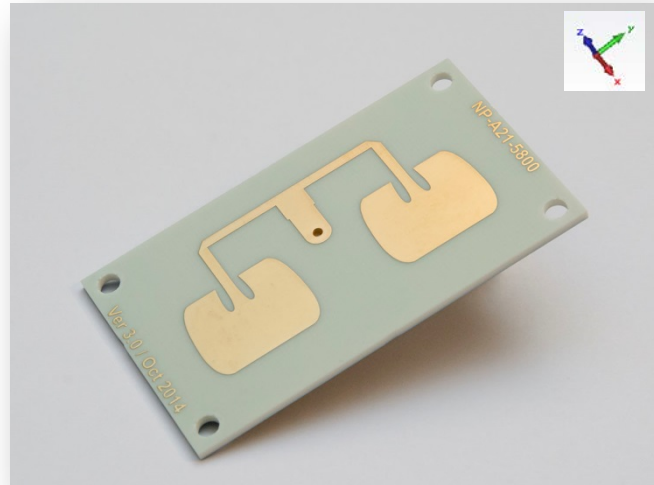
Flat Antenna NP-A21-5800

Features

- Center frequency: 5.8 GHz
- Bandwidth (min): 300 MHz
- Gain: 8 dB
- Beamwidth: 76⁰x47⁰

Applications

- Short range radars
- Wireless data transmission



Electronic Properties

Parameter	Conditions / Notes	Value	Unit
Min. Frequency	VSWR=2.5	5.68	GHz
Max. Frequency	VSWR=2.5	5.99	GHz
Gain	Typ.	8	dB
Impedance	Typ.	50	Ohm
Angular width	XZ Plane	76	Deg
Main lobe direction	XZ Plane	-18	Deg
Side lobe level	XZ Plane	-	dB
Angular width	YZ Plane	47	Deg
Main lobe direction	YZ Plane	0	Deg
Side lobe level	YZ Plane	-	dB
Back lobe level		-12	dB
Size	w/o connector	60x35x1.6	mm
Material		Rogers RO4003C	
Layers		1	
Connector ¹⁾		U.FL ²⁾ or SMA ³⁾ type	

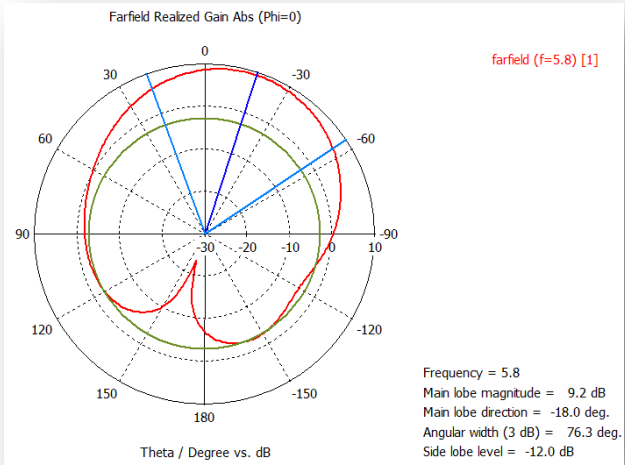
1) A SMT type connector shall be mounted on the back side of the antenna.

2) Similar to [HIROSE ELECTRIC CO., LTD. U.FL Series](#) connectors.

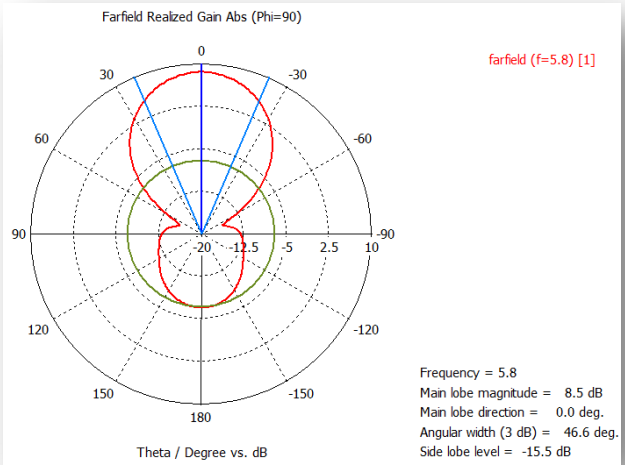
3) Similar to [Pasternack Enterprises, Inc. PE4910](#) connector.

Antenna Pattern

XZ Plane



YZ Plane



S11 Measurement

