

FRF-110PA DATA SHEET

Description:

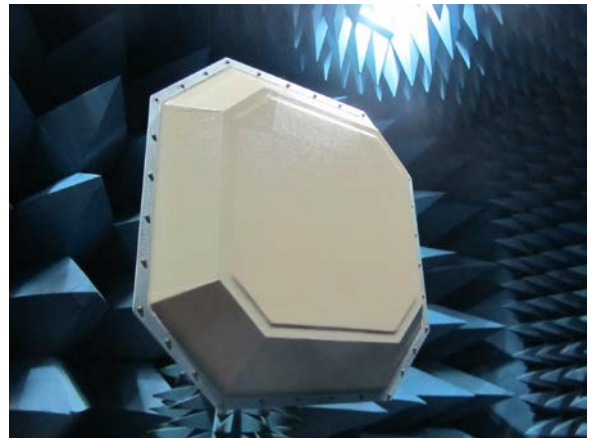
The FIRST RF Corporation FRF-110PA antenna is a medium-gain, airborne VHF and UHF array. The antenna leverages the FRF-110 family of technologies into an array to provide a medium-gain beam over a very wide operating bandwidth well suited for airborne SAR applications for both military and civilian applications. This array is intended for applications that need very wide bandwidth, and is designed to be lightweight and extremely low profile.

RF Performance Overview:

Frequency: 3.5:1 bandwidth at VHF/UHF
Gain: 2-12 dBi nominal
VSWR: 3.5:1 Max

Beamwidth: > 30° azimuth and elevation
Isolation: > 15dB
Front-to-Back: > 10dB

Nominal Impedance: 50 Ohms
Polarization: Dual linear



FRF-110PA Antenna

Environmental:

Designed to exceed MIL-STD-810F
Temperature: -40-+71°C Operational

Mechanical Overview:

Connector: N Type Female (x2)

Physical Dimensions:

- 36"x36"
- Thickness: 7"

Antenna Weight:
< 45 lbs