

FRF-227U

DATA SHEET

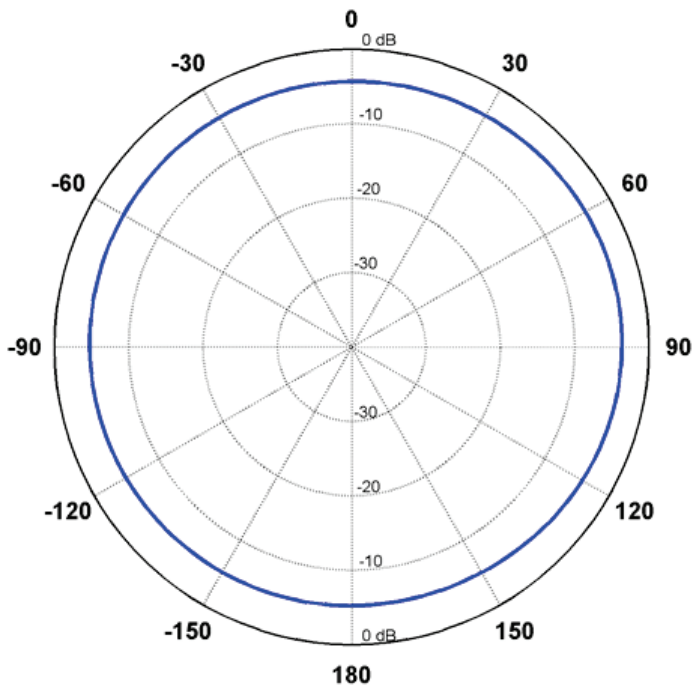
Description:

FIRST RF Corporation's FRF-227U series is a broadband, lightweight, low-profile, single-port antenna.

Typical uses include direction finding and/or SIGINT for lightweight UAVs.

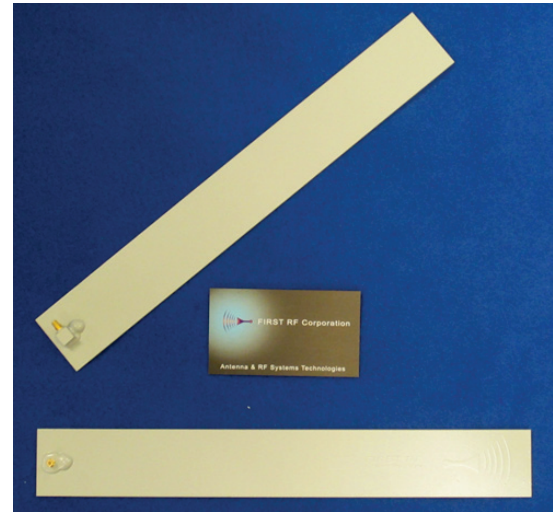
The FRF-227U adapts the base FRF-227 series for lightweight, low-visibility DF and/or SIGINT for Unmanned Aerial Vehicles (UAVs).

RF Performance Overview:



Azimuth Pattern Cut (0° Elevation)

The FRF-227U is optimized for omnidirectional radiation and minimized platform interaction.



FRF-227U - UHF Antenna System

Antenna Information:

Nominal Impedance: 50 Ohms
Polarization: Vertical

Environmental:

Designed to ensure normal operation in environmental conditions consistent with UAV application.

Mechanical Overview:

The FRF-227U series includes several antenna variants, depending on desired bandwidth and gain requirements.

Approximate nominal mechanical interface parameters are described below. Specific interface parameters vary by configuration.

Typical Physical Dimensions:

Approximately 12" tall and approximately 1.5" x 0.1"

Typical Antenna Weight: < 0.2 lbs

Connector: SMC