

FRF-203 Series

DATA SHEET

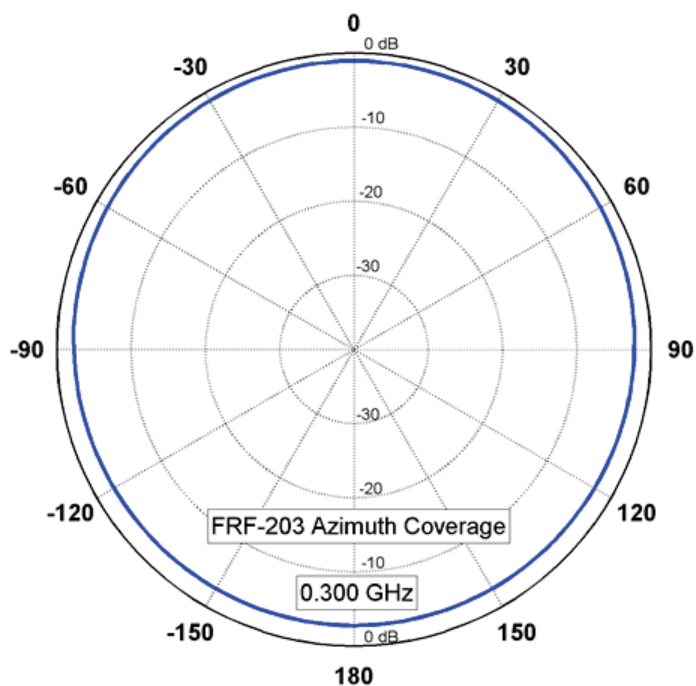
Description:

The FIRST RF Corporation FRF-203 Series is a family of antennas for low-profile applications. These antennas provide multi-band, high-power, omnidirectional coverage with vertical polarization. They are lightweight and low-profile, making them well-suited for indigenous-vehicle applications.

The mid-band FRF-203M is a multi-band antenna, specifically tuned to cover wideband communications from UHF into S-Band, with specific bands of interest tuned for maximum efficiency.

The low-band FRF-203L extends the performance of the FRF-203M below UHF.

RF Performance Overview:



Typical Azimuth Pattern



FRF-203 Kit: FRF-203L, FRF-203M, and Diplexer

Antenna Information:

Nominal Impedance: 50 Ohms

Polarization: Vertical

Power Handling: >50W

Environmental:

Designed to meet continuous outdoor installations and mobile applications

Temperature: -40 to +71°C Operational

Mechanical Overview:

Connector: 1 × TNC Female

Physical Dimensions: 2" × 21.5" (tapered, widest at base)

Antenna Weight: <3 lbs.

Mounting: Magnetic mount