

FPA-218

Two-Port Flat Panel Antenna

DESCRIPTION

The FPA-218 is a vertically-polarized, flat panel antenna, which provides high-level performance in a unique design that allows it to fit where no other antennas are able.

The antenna can be mounted to either a wall or a ceiling.

Designed to minimize space while maximizing transmission or detection, this antenna is easy to install and provides exceptional coverage across an ultra-wide frequency range.

This system is excellent for ELINT/SIGINT requirements over a broad band.

The FPA-218 is the medium (13.8" square) version of the FPA-218-2. Additionally, the FPA-218-3 (24.6" x 22.4" x 1.15", 200 to 18000 MHz) is the large version, with a three-output system.



Two-Port Flat Panel Antenna

SPECIFICATIONS

ELECTRICAL

Frequency Bands

J2: 260 MHz to 2.5 GHz

J1: 2.5 GHz to 18 GHz

VSWR < 4.0 : 1 at 260 MHz to 2.5 GHz

Return Loss \leq -4.2 dB at 2.5 GHz to 18 GHz

Polarization Vertical, Linear

Pattern Omni-Directional (Az)

Connector SMA Female
(Others Upon Request)

ENVIRONMENTAL

Operational Temp. -31°F to +185°F (-35°C to +85°C)

MECHANICAL

Weight 3.2 lbs (1.44 kg)

Dimensions 19.2" L x 14.2" W x 0.7" Thick
(48.8 cm L x 36 cm W x 1.78 cm Thick)

Mounting Nylon Mounting Plates

Options for Wall or Ceiling Mounting

Finish (Default) Harcell Texture ABS (White)

RELATED PRODUCTS

Small 2-Port Version FPA-218-2 (260 MHz to 18 GHz)
13.8" x 13.8" [35 cm x 35 cm]

Large 3-Port Version FPA-218-3 (200 MHz to 18 GHz)
24.6" x 22.4" [62.5 cm x 57 cm]