

# FPA-218-3

## Three-Port Flat Panel Antenna

### DESCRIPTION

The FPA-218-3 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 (19.2" x 14.2", 260 to 18000 MHz) is the medium-sized, dual-output version of the FPA-218-3. Additionally, the FPA-218-2 is the smallest-sized (13.8" square) version, which is also dual-output.



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### SPECIFICATIONS

#### ELECTRICAL

##### Frequency Bands

J2: 200 MHz to 400 MHz

J3: 400 MHz to 2.5 GHz

J1: 2.5 GHz to 18 GHz

Return Loss  $\leq -3.5$  dB at 200 MHz to 400 MHz

$\leq -6.0$  dB at 400 MHz to 2.5 GHz

$\leq -4.2$  dB at 2.5 GHz to 18 GHz

Polarization Vertical, Linear

Pattern Omni-Directional (Az)

Connector SMA Female  
(Others Upon Request)

#### ENVIRONMENTAL

Operational Temp.  $-31^{\circ}\text{F}$  to  $+185^{\circ}\text{F}$  ( $-35^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ )

#### MECHANICAL

Weight 2.5 lbs (1.13 kg)

Dimensions 24.6" L x 22.4" W x 1.15" Thick  
62.5 cm L x 57 cm W x 3 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]

Medium 2-Port Version FPA-218 (260 MHz to 18 GHz)  
19.2" x 14.2" [48.8 cm x 36 cm]