FPA-218-2
Two-Port Flat Panel Antenna

DESCRIPTION

The FPA-218-2 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.

SPECIFICATIONS

ELECTRICAL

Frequency Bands

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency Range</th>
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</thead>
<tbody>
<tr>
<td>J2</td>
<td>260 MHz to 2.5 GHz</td>
</tr>
<tr>
<td>J1</td>
<td>2.5 GHz to 18 GHz</td>
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</tbody>
</table>

VSWR

< 4.0 : 1 at 260 MHz to 2.5 GHz

Return Loss

≤ -4.2 dB at 2.5 GHz to 18 GHz

Polarization

Vertical, Linear

Pattern

Omni-Directional (Az)

Connector

SMA Female

(Others Upon Request)

MECHANICAL

Weight

2.5 lbs (1.13 kg)

Dimensions

13.8” L x 13.8” W x 0.7” Thick

(35 cm L x 35 cm W x 1.78 cm Thick)

Mounting

Nylon Mounting Plates

Options for Wall or Ceiling Mounting

Finish (Default)

Harcell Texture ABS (White)

ENVIRONMENTAL

Operational Temp.

-31°F to +185°F (-35°C to +85°C)

RELATED PRODUCTS

Medium 2-Port Version

FPA-218 (260 MHz to 18 GHz)

19.2” x 14.2” [48.8 cm x 36 cm]

Large 3-Port Version

FPA-218-3 (200 MHz to 18 GHz)

24.6” x 22.4” [62.5 cm x 57 cm]