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.

SPECIFICATIONS

ELECTRICAL

Frequency Bands

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>J2</td>
<td>200 MHz to 400 MHz</td>
</tr>
<tr>
<td>J3</td>
<td>400 MHz to 2.5 GHz</td>
</tr>
<tr>
<td>J1</td>
<td>2.5 GHz to 18 GHz</td>
</tr>
</tbody>
</table>

Return Loss

- ≤ -3.5 dB at 200 MHz to 400 MHz
- ≤ -6.0 dB at 400 MHz to 2.5 GHz
- ≤ -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: 2.5 lbs (1.13 kg)

Dimensions: 24.6” L x 22.4” W x 1.15” Thick

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]