

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-218-2 is the small version of the FPA-218 (13.8" square). 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.



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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	≤ -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)
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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)

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]