

# FPA-1719

## Four-Element UHF Patch Antenna



### DESCRIPTION

The FPA-1719 is a flight-qualified L-band patch antenna optimized for frequencies from 1710 to 1990 MHz.

It is ideally suited for a breadth of applications, including signal intelligence (SIGINT), intelligence, surveillance, and reconnaissance (ISR), direction-finding, communications, and electronic warfare (EW).

This low-profile antenna is both lightweight and rugged enough to withstand harsh airborne environments.



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### SPECIFICATIONS

#### ELECTRICAL

Frequency Band	1710 MHz to 1990 MHz
VSWR	≤ 2.5 : 1
Polarization	Right-Hand Circular
Boresight Gain	≥ +11 dBiC
Power	5+ Watts CW
Ground Plane	Ground Plane Independent
Connector	Type N Female

#### ENVIRONMENTAL

Shock	MILSTD 810F, 20G
Vibration	RTCA/DO-160 C
Operational Temp.	-31°F to +185°F (-35°C to +85°C)

#### MECHANICAL

Weight	16 oz (0.45 kg)
Dimensions	18.8" L x 5" W x 0.70" Thick (47.8 cm L x 12.6 cm W x 1.8 cm Thick)
Mounting	Available Upon Request
Finish (Default)	White Epoxy

#### MODEL NUMBERS

Black Color	FPA-1719-B
Tan 686A Color	FPA-1719-T
Green 383 Color	FPA-1719-G
Aircraft Gray Color	FPA-1719-AG