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.

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

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

ENVIRONMENTAL

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

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