

FREEDOMATLANTIC

Apollo UAV Fin High Gain Omni Antenna



S-Band Antenna



L-Band Antenna

DESCRIPTION

Freedom Atlantic's Apollo UAV FIN Omni Antennas are designed for use on unmanned aerial vehicles in particular carbon fiber platforms where antenna power can be lost due to the carbon absorption properties. Additional uses include covert or discreet platforms where Flexible Fabric antenna may not be suitable. The antenna is constructed from Glass Reinforced Plastic (GRP) encapsulated in plastic which is extremely rugged and lightweight.

Part Number

S-Band: FA-APOLLO-SBAND-1

L-Band: FA-APOLLO-LBAND-1

C-Band: FA-APOLLO-CBAND-1

Export Classification

EAR99

CONFIGURATION OVERVIEW



Air Ordinance



UAV's



Ground Vehicle



Watercraft

SPECIFICATIONS

Frequency Range

S-Band: 2200-2507MHz
L-Band: 1350-1390MHz
C-Band (L): 4400-5000MHz
C-Band (U): 5100-6000MHz

Pattern

Omni-directional

Azimuth Beamwidth

360 Nominal

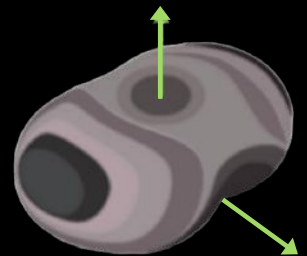
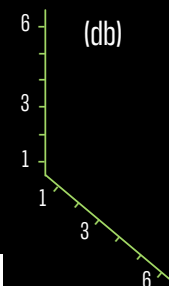
Gain

L/S Band 2dbi (3dbi) peak gain
C band 3dbi (4dbi) peak gain

VSWR

S-Band: 1.5:1 L-Band: <1.5:1

TOTAL GAIN



EUD ADAPTERS

Polarization Form

Linear Vertical

Mechanical Form

GRP Plastic encapsulated

Color

Black

RF Connector

SMA: Female Straight

Mounting

4x 3.2mm circular holes

Size & Weight

60x70x40mm 40g

RF Power Handling

5w