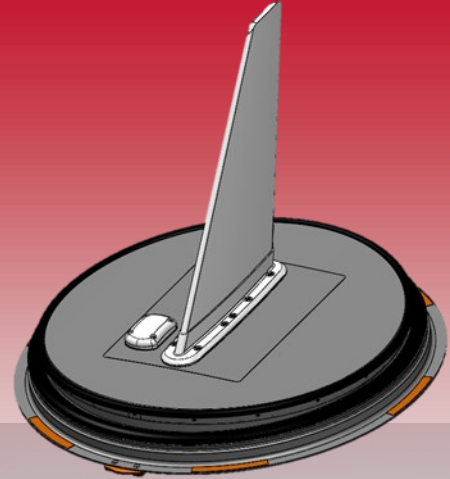




PART NUMBER:
0009A3000-10-210

V/UHF Multiband With L1 & L2 GPS Multi-Purpose Hatch System (MPHS)

- ▶ **BILLET ALUMINUM CONSTRUCTION**
- ▶ **NO MODIFICATION TO AIRCRAFT**
- ▶ **FIELD REPLACEABLE SEALS AND HARDWARE**
- ▶ **FAA/DoD CERTIFIED**
- ▶ **FREQUENCY COVERAGE, 30-512, 800-900, 900-2400 MHz**
- ▶ **L1 AND L2 GPS**



R4 Integration, Inc. (R4) has designed and built the next generation C-130 Multi-Purpose Hatch System (MPHS) for installing customized user configurations of airborne antennas or sensors. The 0009A3000-10-210 MPHS includes a rugged multifunction V/UHF, Cellular Band and High Band LOS antenna designed for airborne applications. By replacing the existing forward escape hatch, the MPHS provides the customer a “Roll On/Roll Off” communications capability *without modification* to the aircraft, allowing for rapid installation to meet short notice or critically needed communication capabilities. The MPHS is compatible with virtually any UHF/VHF communication system.

R4 provides a complete “Turn Key” solution to include a Portable Airborne Communication Terminal (PACT) that provides full 30—2000 MHz LOS, BLOS, Voice/Data capability with an integrated Intercommunication System for multiple operators, aircraft interface/control, and ground station capability.

SPECIFICATIONS

ELECTRICAL

Frequency

Comm Band: 30 - 400 MHz
Cellular Band: 800 - 900 MHz
High Band: 900 - 2400 MHz

GPS L1 - 1575.42 ± 15 MHz
L2 - 1227.60 ± 15 MHz

Gain (typical)

-22 dBi average @ 30 MHz
-10.0 dBi average @ 88 MHz
+0.0 dBi average @ 108-174 MHz
+2.0 dBi average @ 225 - 400 MHz
-7.0 dBi average @ 800-900 MHz
-10.0 dBi average @ 1,000 - 2,400MHz
GPS - L1 Band +4.6dBi, L2 Band +1.8 dBi

RF Power

100 Watts

MECHANICAL

Height Above Aircraft

16 Inches

Weight

24 LBS

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