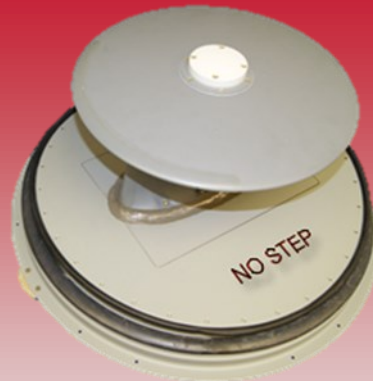




PART NUMBER:
0009A3000-10-30

UHF SATCOM & GPS Multi-Purpose Hatch System (MPHS)

- ▶ BILLET ALUMINUM CONSTRUCTION
- ▶ NO MODIFICATION TO AIRCRAFT
- ▶ FIELD REPLACEABLE SEALS AND HARDWARE
- ▶ FAA/DoD CERTIFIED
- ▶ HI ANGLE UHF SATCOM COVERAGE
- ▶ LO ANGLE FREQUENCY COVERAGE 225 - 400 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 0009A3000-10-30 MPHS includes a rugged UHF SATCOM and GPS 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 SATCOM 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	Hi Angle : 240 - 400 MHz Lo Angle : 225 - 400 MHz GPS: L1: 1565 - 1586 / L: 1217 - 1238 MHz
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Gain (typical)	Hi Angle : +4.5 dBiC @ Zenith Lo Angle : +2.0 dBi @ LOS GPS: +4.0 dBiC @ Zenith
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RF Power	Hi Angle: 200 Watts CW Lo Angle: 200 Watts (225-400 MHz) GPS: 1 Watt
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MECHANICAL

Height Above Aircraft	8.75 Inches
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Weight	28 LBS
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