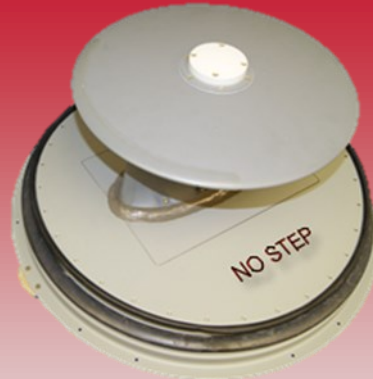




PART NUMBER:
0009A3000-10-90

V/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 30-88, 118-152, 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 0009A3000-10-90 MPHS includes a rugged V/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 V/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 : 30 - 88 MHz 118 - 152 MHz 240 - 400 MHz
	GPS: 1565 - 1586 / 1217 - 1238 MHz

Gain (typical)	Hi Angle : +4.5 dBiC @ Zenith
	Lo Angle : +2.0 dBi @ LOS
	GPS: +4.0 dBiC @ Zenith

RF Power	30 - 88 MHz	50 Watts
	118 - 174 MHz	50 Watts
	225 - 400 MHz	200 Watts
	GPS:	1 Watt

MECHANICAL

Height Above Aircraft	8.75 Inches
Weight	28 LBS

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