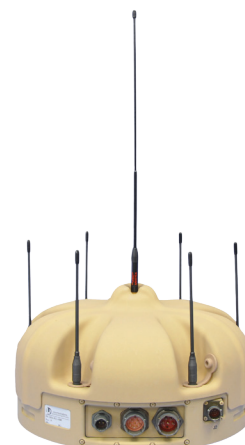


VHF/UHF DF Antenna Head

L-3's DF-90A is the next-generation, tactical direction finding (DF) antenna head for use in COMINT surveillance, DF and geolocation portable missions. The DF-90A is designed to work in conjunction with the majority of today's popular COMINT receivers. Mounted quickly on a vehicle roof or used in a tripod configuration, the DF-90A incorporates miniature RF hardware for minimal size, weight and power (SWaP) with advanced performance.



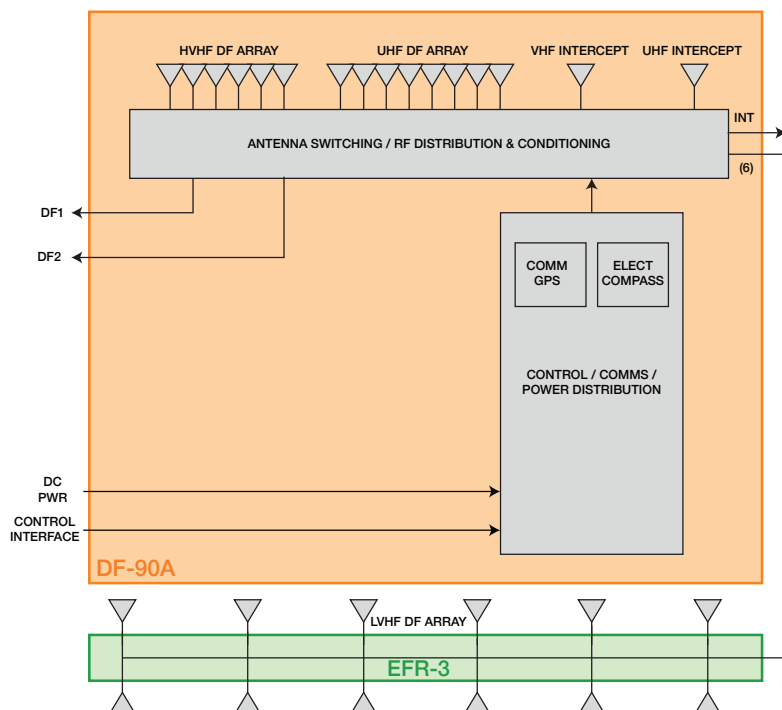
Use of U.S. DoD image does not imply or constitute DoD endorsement.



FEATURES

- Wide frequency range
- Small size and low weight
- Internal preamplification
- Rugged design
- Dedicated broadband RF intercept diplexer
- Integrated GPS and compass

SYSTEM BLOCK DIAGRAM



APPLICATION

L-3's DF-90A is an improvement to the legacy DF-20C product line. The DF-90A incorporates new antenna designs to maximize DF and intercept antenna performance over a broader frequency range in a single antenna head. When suitably mounted, the DF-90A enables operation down to 100 MHz without the need for additional external arrays. The robust electrical and mechanical designs are program proven and allow the unit to withstand harsh elements, as well as provide protection against damage from lightning and Electro-Magnetic Pulses (EMP).

OPTIONAL EQUIPMENT



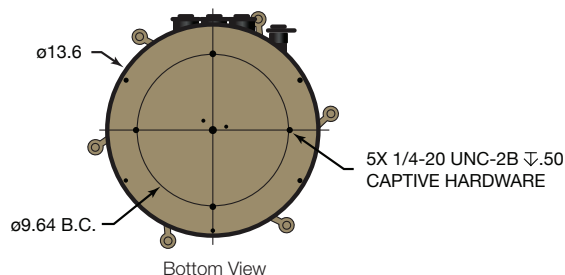
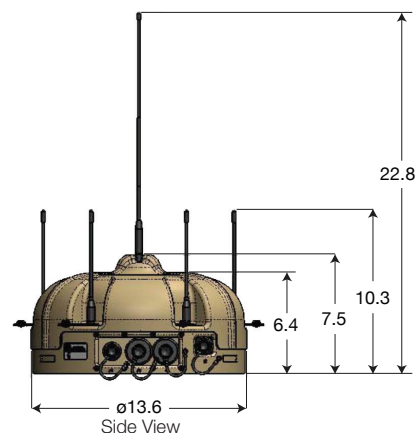
RDF-210 with EFR-3 shown on tripod.

VHF/UHF DF Antenna Head

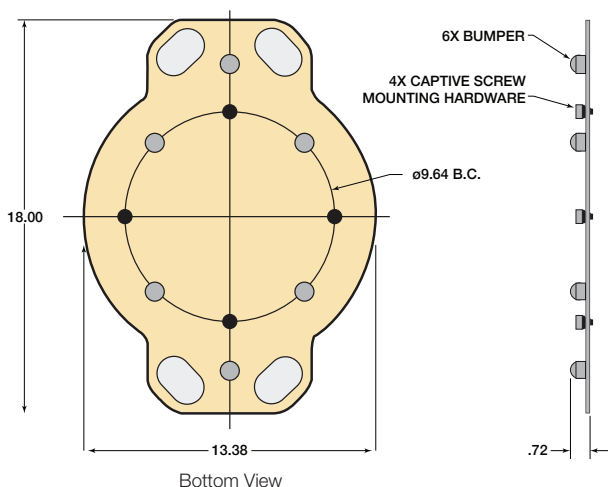
SPECIFICATIONS	
Operating frequency	Standard: 400 to 3000 MHz Suitably mounted: 100 to 3000 MHz Optional EFR-3: 20 to 3000 MHz
DF accuracy (20 dB SNR)	Standard: 5-degree RMS, typical Suitably mounted: 10-degree RMS, typical Optional EFR-3: 6.5-degree RMS, typical
Navigation data	Selectable internal GPS and compass or external source
Size	Diameter 13.6 in., height 7.5 in., typical (excluding antennas)
Weight	< 12 lb.
Power	< 12 W (10.5 to 36 VDC source)
Operating temperature	-37 °C to +71 °C
Storage temperature	-46 °C to +85 °C
Environmental (designed to meet)	Humidity: 5% to 95% non-condensing Altitude: < 15,000 ft. MSL Shock (11 mS, 1/2 sine): 2.5 g op, 10 g non-op Vibration (5 to 500 Hz random): 2 g RMS EMI/RFI (MIL-STD-461E): CE102, CE106, CS101, CS103, CS104, CS114, CS115, CS116, RE102 and RS103

MECHANICAL DATA

All dimensions shown are in inches.



Vehicle Roof Mounting Plate



All equipment is warranted for a period of one year from date of delivery. The standard terms and conditions of the warranty are available for review upon request. Additional warranty coverage is also available at the time of sale. Please ask your sales representative for more information.

L-3 Linkabit

9890 Towne Centre Drive

San Diego, CA 92121

Tel: 858.552.9555

Fax: 858.552.9668

Product Service Help Desk: 800.331.9401

Email: LinkabitProducts@L-3com.com

www.L-3com.com/Linkabit