

Extended Frequency Array



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PRODUCT OVERVIEW

L-3's EFR-3 is designed to complement L-3 Linkabit's line of direction finding (DF) sensors and antenna heads for missions that require low-frequency targets down to 20 MHz.

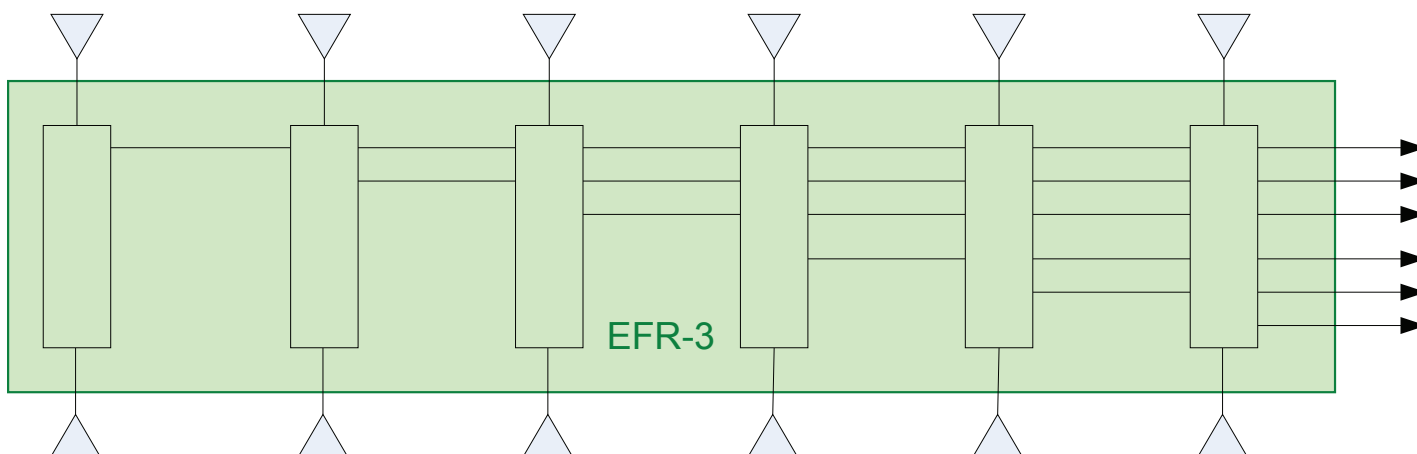
APPLICATION

Our EFR-3 permits DF frequency operations down to 20 MHz. It is fully ready for plug-and-play operation with the DF-90A DF head or RDF-210 DF sensor. The EFR-3 is designed for easy mounting on a mast or a tripod. The collapsible, rugged, mechanical design makes this frequency extension array suitable for dismounted and manpack DF missions.

FEATURES

- Collapsible design for ease of storage and transport
- Frequency extension to 20 MHz
- DF-90A/RDF-210-compatible
- Rugged design
- Captive attachment hardware
- Integrated cable interface

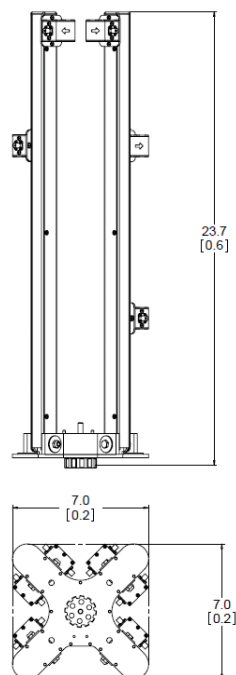
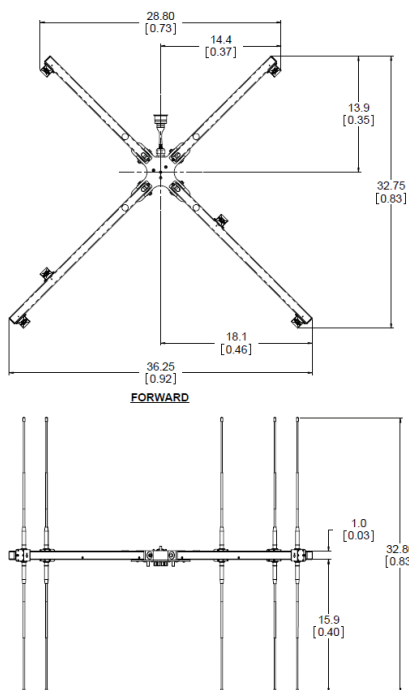
SYSTEM BLOCK DIAGRAM



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MECHANICAL DATA

All dimensions shown are in inches [meters].



RDF-210 with EFR-3 shown on tripod

SPECIFICATIONS

Frequency extension	Down to 20 MHz
Collapsed size	Length 23.7 in. L x 7.0 in. W x 7.0 in. H
Deployed size	Length 36.25 in. L x 32.75 in. W x 32.8 in. H
Weight	< 6 lb.
Operating temperature	-40 °C to +71 °C
Storage temperature	-55 °C to +85 °C

ENVIRONMENTAL (DESIGNED TO MEET)

Humidity	5% to 95% non-condensing
Altitude	< 15,000 ft. MSL
Shock (11ms, 1/2 sine)	2.5 g op, 10 g non-op
Vibration (5-500 Hz random)	2 g RMS
EMI/RFI (MIL-STD-461E)	CE102, CE106, CS101, CS103, CS114, CS115, CS116, RE102 and RS103

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