

## 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.

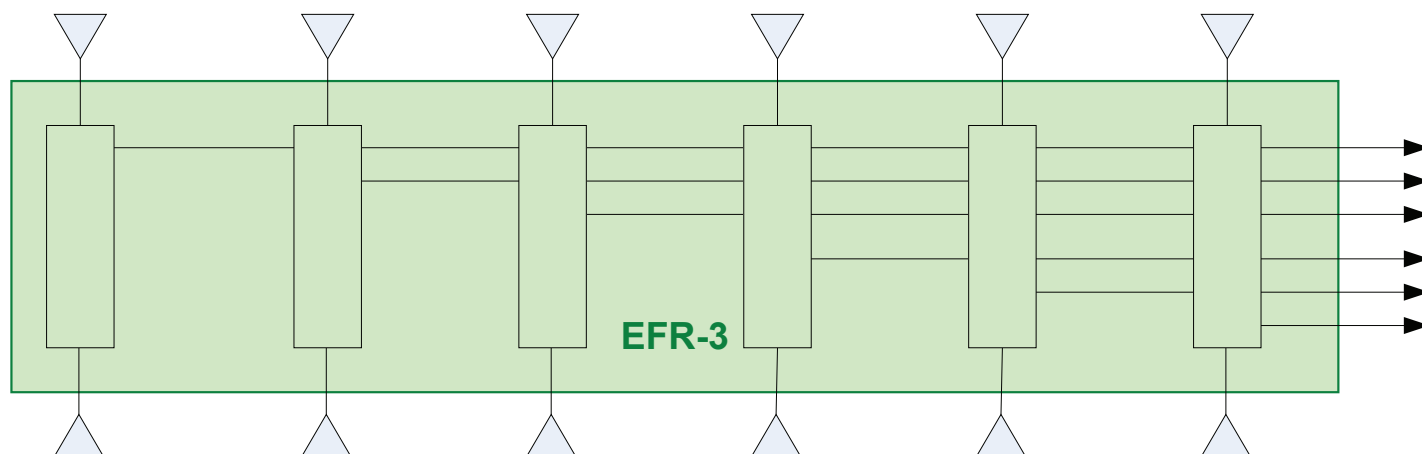
### APPLICATION

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

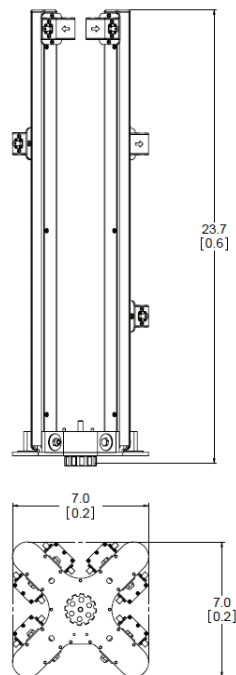
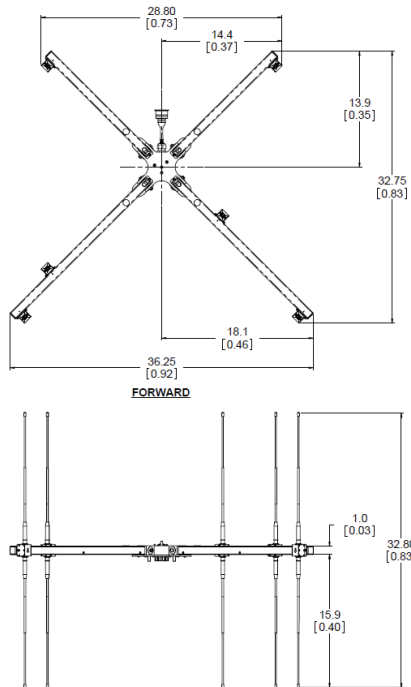
### SYSTEM BLOCK DIAGRAM



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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 |

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.

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