

End-Fed ½ λ Dipole Antenna with Universal FME-  
Connection System for Portable Equipment in the 70 cm  
Band

DESCRIPTION

- Highly flexible polyethylene covered StraightFlex steel wire (self-straightening).
- Full-size, end-fed ½ λ antenna whip.
- High gain and efficient decoupling from the portable equipment.
- 3 dB gain (typ.) compared to a ¼ λ antenna whip on the same equipment.
- Highest quality materials in an elegant design.
- Delivered factory tuned and tested to ensure minimum VSWR and optimum performance.
- Provided with universal FME-connection system for optimum flexibility and easily exchangeable connectors.
- Designed for use with the following of Procom's line of black FME-connectors (to be ordered separately): BFME-UHF, BFME-BNC, BFME-TNC, BFME-N, BFME-EBNC and BFME-ETNC.



SPECIFICATIONS

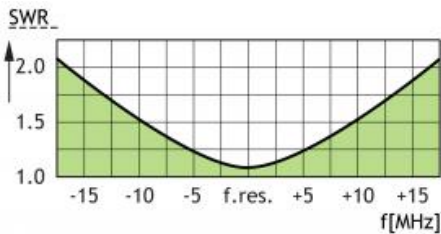
| Electrical       |                                                           |
|------------------|-----------------------------------------------------------|
| Model            | FSP 70/...-FME                                            |
| Frequency        | 70 cm band (380 - 470 MHz)                                |
| Antenna Type     | Antenna for portable equipment                            |
| Max. Input Power | 25 W                                                      |
| Polarisation     | Vertical                                                  |
| Impedance        | 50 Ω                                                      |
| Gain             | 0 dBd / 2.5 dBi (3 dB compared to a ¼ λ portable antenna) |
| VSWR             | < 1.3:1 @ f. res.                                         |
| Bandwidth        | ≤ 30 MHz @ SWR ≤ 2.5:1                                    |

| Mechanical    |                                                                 |
|---------------|-----------------------------------------------------------------|
| Connection(s) | FME(f) (Exchangeable BFME-connectors to be ordered separately)  |
| Materials     | Polyethylene covered flexible steel wire<br>Black-chromed brass |
| Colour        | Black                                                           |
| Height        | Approx. 340 mm / 13.39 in.                                      |
| Weight        | Approx. 0.05 kg / 0.11 lb                                       |

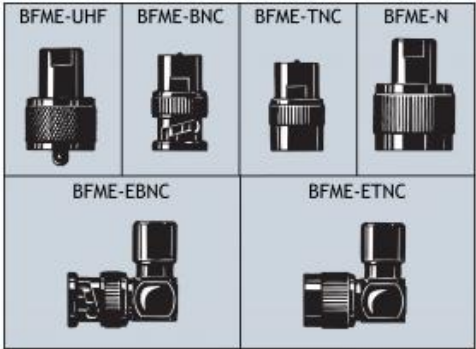
ORDERING

| Model          | Product No. | Frequency     |
|----------------|-------------|---------------|
| FSP 70/385-FME | 140000720   | 370 - 400 MHz |
| FSP 70/405-FME | 140000721   | 390 - 420 MHz |
| FSP 70/425-FME | 140000722   | 410 - 440 MHz |
| FSP 70/445-FME | 140000723   | 430 - 460 MHz |
| FSP 70/465-FME | 140000724   | 450 - 480 MHz |
| FSP 70/395-FME | 140000793   | 380-410 MHz   |
| FSP 70/433-FME | 140000800   | 418-448 MHz   |

TYPICAL SWR CURVE



RECOMMENDED BFME-CONNECTORS



(To be ordered separately)