# End-Fed ½ λ Dipole Antenna with Universal FME-Connection System for Portable Equipment in the 900 MHz

## DESCRIPTION

- Highly flexible polyethylene covered StraightFlex steel wire (self-straightening).
- Full size, end-fed ½ λ antenna whip – groundplane independent.
- High gain and efficient decoupling from the portable equipment due to half-wave design.
- 3 dB gain (typ.) compared to a ¼ λ antenna whip on the same equipment.
- Highest quality materials in a slender and elegant design.
- 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-BNC, BFME-TNC, BFME-N, BFME-MUHF, BFME-EBNC, BFME-ETNC and BFME-EMUHF.

## SPECIFICATIONS

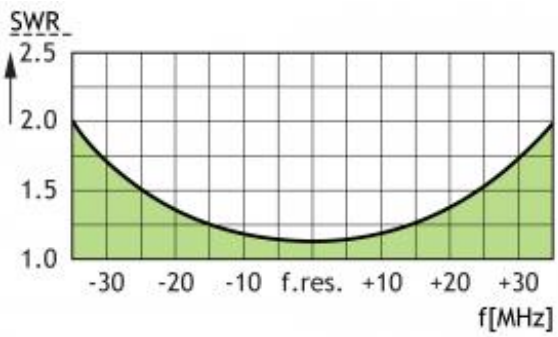
| Electrical | |
|---|---|
| Model | FSP 900/...-FME |
| Frequency | 900 MHz band (820 - 960 MHz) |
| Antenna Type | End-fed ½ λ antenna for portable equipment |
| Max. Input Power | 25 W |
| Polarisation | Vertical |
| Impedance | 50 Ω |
| Gain | 0 dBd / 2.15 dBi (3 dB compared to a ¼ λ portable antenna) |
| VSWR | < 1.3:1 @ f. res. |
| Bandwidth | ≥ 70 MHz @ VSWR ≤ 2.0 |

| 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. 170 mm / 6.69 in. |
| Weight | Approx. 0.025 kg / 0.06 lb. |

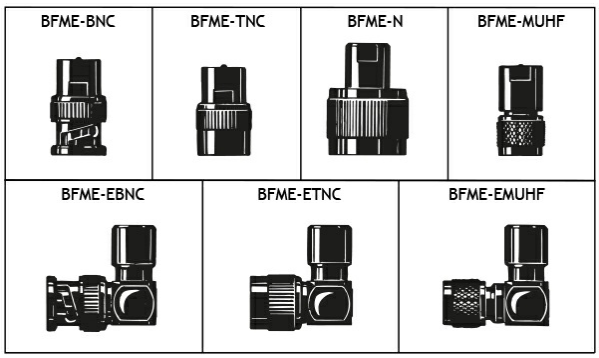
## ORDERING

| Model | Product No. | Frequency |
|---|---|---|
| FSP 900/855-FME(f) | 140000258 | 820 - 890 MHz |
| FSP 900/870-FME(f) | 140000270 | 835 - 905 MHz |
| FSP 900/925-FME(f) | 140000271 | 890 - 960 MHz |

## TYPICAL VSWR CURVE




## RECOMMENDED BFME-CONNECTORS




(To be ordered separately)