

End-Fed ½ λ Dipole Antenna with Universal FME-
Connection System for Portable Equipment in the 1300
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.
- Delivered factory tuned to customer specified frequency.
- 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 1300/...-FME
Frequency	1200 - 1300 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 Black-chromed brass
Colour	Black
Height	Approx. 150 mm / 5.91 in.
Weight	Approx. 0.025 kg / 0.06 lb.

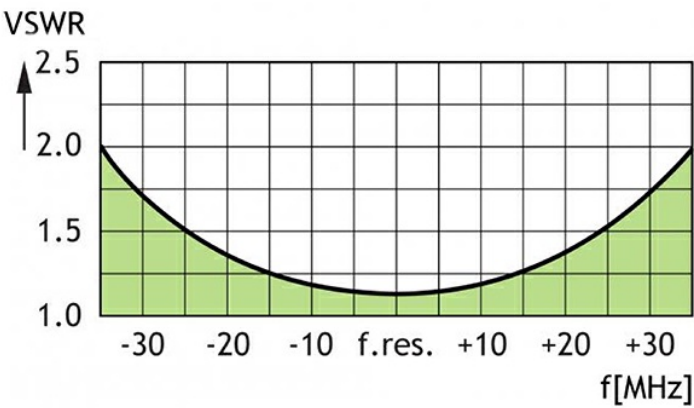
ORDERING

Model	Product No.	Frequency
FSP 1300/1235-FME(f)	140000239	1200 - 1270 MHz
FSP 1300/1245-FME(f)	140000242	1210 - 1280 MHz
FSP 1300/1255-FME(f)	140000244	1220 - 1290 MHz
FSP 1300/1265-FME(f)	140000245	1230 - 1300 MHz

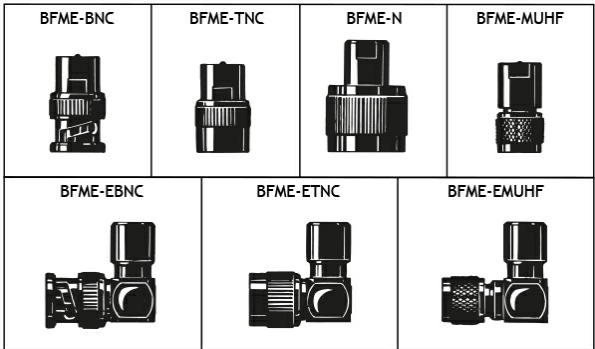
ORDERING DESIGNATIONS

When ordering the antenna, please state the centre frequency, e.g. FSP 1300/1296-FME for centre frequency 1296 MHz.

TYPICAL VSWR CURVE



RECOMMENDED BFME-CONNECTORS



(To be ordered separately)