

End-Fed ½ λ Dipole Antenna with Universal FME-
Connection System for Portable Equipment in the 1300
MHz Band

DESCRIPTION

- Flexible antenna made of steel wire covered with black silicone tubing.
- End-fed ½ λ 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 long-lasting and durable 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

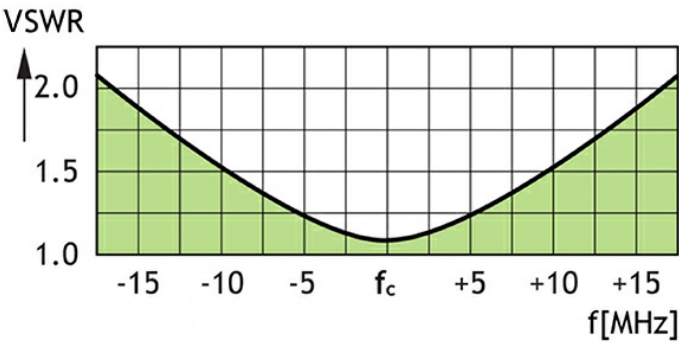
Electrical	
Model	FLX 1300/...-FME
Frequency	1200 - 1300 MHz
Antenna Type	End-fed ½ λ antenna for portable equipment
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 Ω
Gain	0 dBd / 2.15 dBi (3 dB compared to a ¼ λ portable antenna)
VSWR	< 1.3:1 @ f. res.
Bandwidth	≥ 70 MHz @ VSWR ≤ 2.0

Mechanical	
Connection(s)	FME(f) (Exchangeable BFME-connectors to be ordered separately) Also available with SMA (m) connector
Materials	Silicone tube over 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.
FLX 1300/1220-FME(f)	140000760
FLX 1300/1250-FME(f)	140000761
FLX 1300/1280-FME(f)	140000762
FLX 1300/1220-SMA(m)	140000763
FLX 1300/1250-SMA(m)	140000764
FLX 1300/1280-SMA(m)	140000765

TYPICAL VSWR CURVE



RECOMMENDED BFME-CONNECTORS

BFME-BNC 	BFME-TNC 	BFME-N 	BFME-MUHF
BFME-EBNC 	BFME-ETNC 	BFME-EMUHF 	

(To be ordered separately)

PLEASE NOTE

The FLX 1300 is also available with SMA male connector, but in this case with fixed, non-exchangeable connector (not FME-connection system). Information on this special version on request.