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

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 or cellular system.
- 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

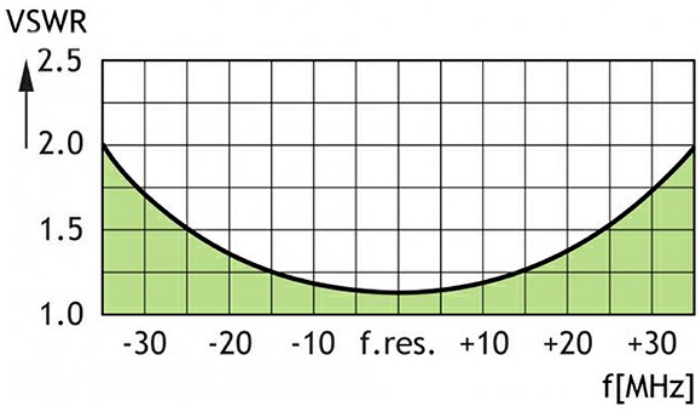
Electrical	
Model	FLX 900/...-FME
Frequency	900 MHz band (820 - 960 MHz)
Antenna Type	End-fed ½ λ antenna for portable equipment
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 Ω
Gain	0 dBd / 2.15 dBi (3 dB compared to a ¼ λ portable antenna)
VSWR	< 1.3:1 @ f. res.
Bandwidth	≥ 70 MHz @ VSWR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

Mechanical	
Connection(s)	FME(f) (Exchangeable BFME-connectors to be ordered separately)
Materials	Silicone tube over flexible steel wire Black-chromed brass
Colour	Black
Height	Approx. 170 mm / 6.69 in.
Weight	0.025 kg / 0.06 lb.

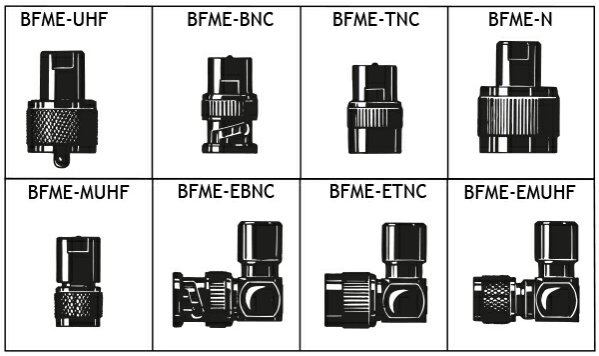
ORDERING

Model	Product No.	Frequency
FLX 900/855-FME(f)	140000259	820 - 890 MHz
FLX 900/870-FME(f)	140000260	835 - 905 MHz
FLX 900/925-FME(f)	140000263	890 - 960 MHz
FLX 900/855-SMA(m)	140000264	820 - 890 MHz
FLX 900/870-SMA(m)	140000268	835 - 905 MHz
FLX 900/925-SMA(m)	140000269	890 - 960 MHz

TYPICAL VSWR CURVE



RECOMMENDED BFME-CONNECTORS



(To be ordered separately)

PLEASE NOTE

The FLX 900 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.

PROCOM A/S reserves the right to amend specifications without prior notice