End-Fed ½ λ Dipole Antenna with Universal FME-Connection System for Portable Equipment in the 2500 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 compared to a ¼ λ antenna whip on the same equipment.
- Highest quality materials in a long-lasting and durable design.
- Models available for the ISM, RLAN, WLAN systems.
- 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

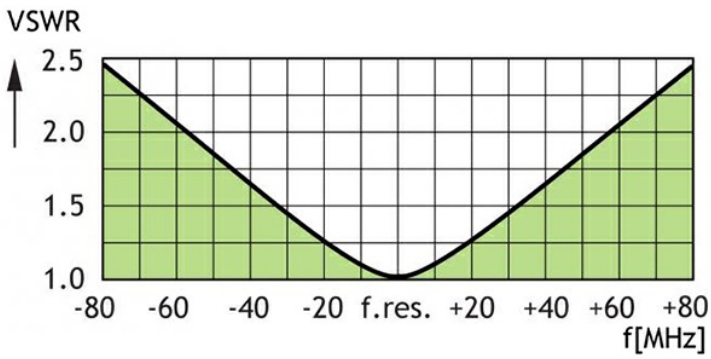
Electrical	
Model	FLX 2412/...-FME
Frequency	To be specified within 2300 - 2500 MHz
Antenna Type	End-fed ½ λ antenna for portable equipment
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 Ω
Gain	0 dBd / 2.5 dBi (3 dB compared to a ¼ λ portable antenna)
Bandwidth	≥ 100 MHz @ VSWR ≤ 2.0

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. 100 mm / 3.94 in.
Weight	Approx. 0.022 kg / 0.05 lb.

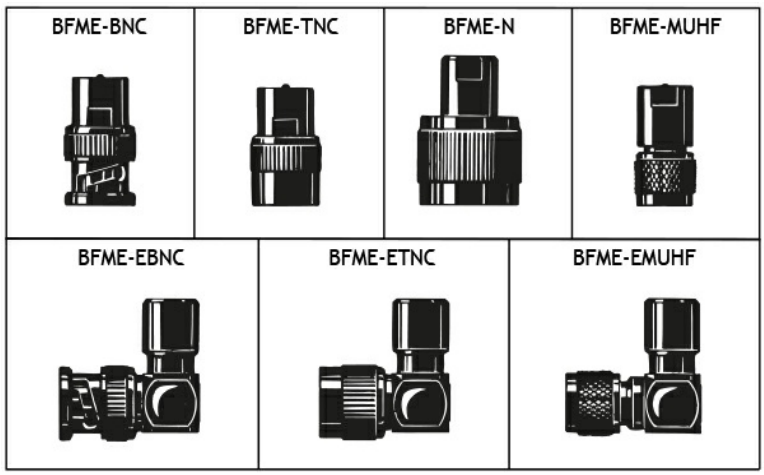
ORDERING

Model	Product No.	Frequency
FLX 2412/2350-FME(f)	140000766	2300-2400 MHz
FLX 2412/2400-FME(f)	140000767	2350-2450 MHz
FLX 2412/2450-FME(f)	140000768	2400-2500 MHz

TYPICAL VSWR CURVE



RECOMMENDED BFME-CONNECTORS



(To be ordered separately)