

Helical Antenna with Universal FME-Connection System
for Portable Equipment in the 2 m and 70 cm Band

DESCRIPTION

- Flexible, conical steel helix moulded in flexible thermoplastic rubber.
- Reduced-size $\frac{1}{4} \lambda$ helical antenna whip.
- Optimum performance compared to physical dimensions.
- Delivered factory tuned and tested to ensure minimum VSWR.
- Provided with universal FME-connection system for optimum flexibility and easily exchangeable connectors.
- Designed for use with the following of Procoms line of black FME-connectors (to be ordered separately): BFME-UHF, BFME-BNC, BFME-TNC, BFME-N, BFME-EBNC and BFME-ETNC.



SPECIFICATIONS

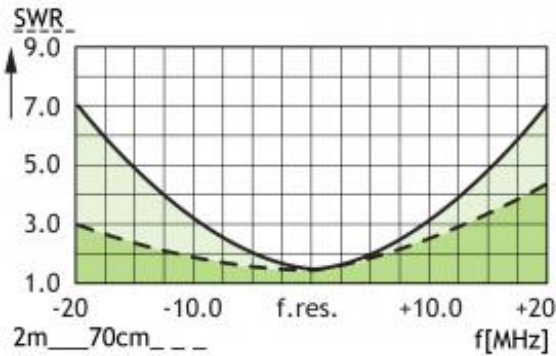
Electrical	
Model	HX 2/70/FQ/FQ-FME
Frequency	160 MHz band: freq. to be stated within: 144 - 175 MHz 450 MHz band: freq. to be stated within: 380 - 470 MHz
Antenna Type	Shortened $\frac{1}{4} \lambda$ helical antenna
Max. Input Power	50 W
Polarisation	Vertical
Impedance	50 Ω
Gain	Approx. -3 dB (compared to a $\frac{1}{4} \lambda$ portable antenna)
VSWR	< 1.6:1 when mounted directly on portable equipment
Bandwidth	160 MHz: ≥ 16 MHz @ VSWR ≤ 3.0 450 MHz: ≥ 25 MHz @ VSWR ≤ 3.0

Mechanical	
Connection(s)	FME(f) (Exchangeable BFME-connectors to be ordered separately)
Materials	Steel helix moulded in flexible thermoplastic rubber Black-chromed brass
Colour	Black
Height	Approx. 150 mm / 5.91 in.
Weight	Approx. 0.03 kg / 0.07 lb.

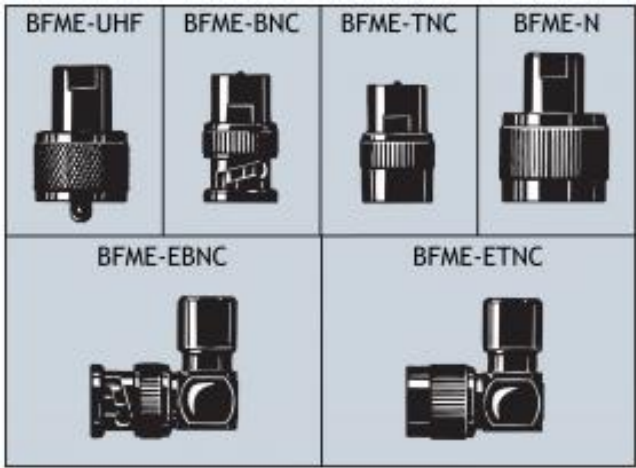
ORDERING

Model	Product No.	Description
HX 2/70/FQ/FQ-FME	140000123	When ordering, please specify the frequency with whole numbers

TYPICAL VSWR CURVE



RECOMMENDED BFME-CONNECTORS



(To be ordered separately)

PLEASE NOTE

The HX 2/70 is also available with SMA male connector and different thread studs, but in this case with fixed, non-exchangeable connector (not FME-connection system). Information on these special versions on request.