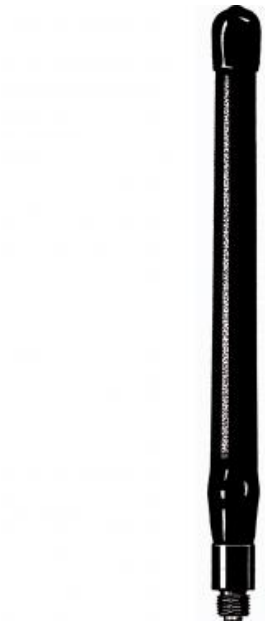
Helical Antenna with Universal FME-Connection System for Portable Equipment in the 2 m and 70 cm Band



DESCRIPTION

- Flexible, conical steel helix moulded in flexible thermoplastic rubber.
- Reduced-size ¼ λ helical antenna whip.
- Optimum performance compared to physical dimensions.
- Delivered factory tuned and tested to ensure minimum SWR.
- 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.

ORDERING

Model	Product No.
HX 2/70/...-FME	140000123

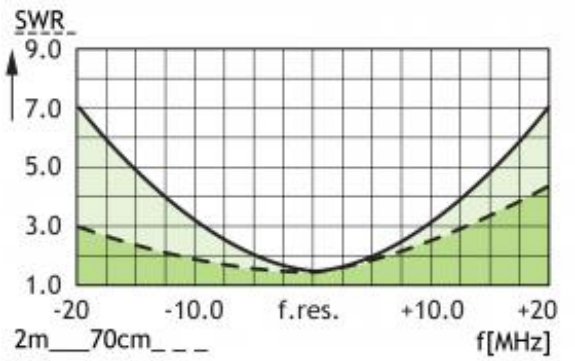
SPECIFICATIONS

Electrical	
Model	HX 2/70/...-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 ¼λ helical antenna
Max. Input Power	50 W
Polarisation	Vertical
Impedance	50 Ω
Gain	Approx. -3 dB (compared to a ¼ λ portable antenna)
VSWR	< 1.6:1 when mounted directly on portable equipment
Bandwidth	160 MHz: 16 MHz @ SWR = 3.0 450 MHz: 25 MHz @ SWR = 3.0

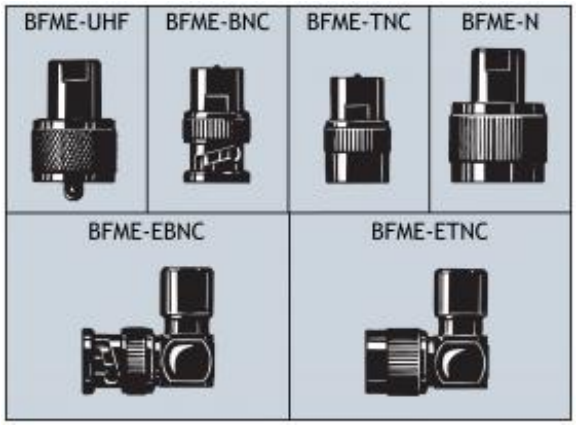
Mechanical	
Connection(s)	FME female (Exchangeable BFME-connectors to be ordered separately)
Materials	Steel helix moulded in flexible thermoplastic rubber Black-chromed brass
Colour	Black
Height	150 mm / 5.91 in.
Weight	0.03 kg / 0.07 lb

ADDITIONAL DATA

TYPICAL SWR CURVES



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.