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

DESCRIPTION

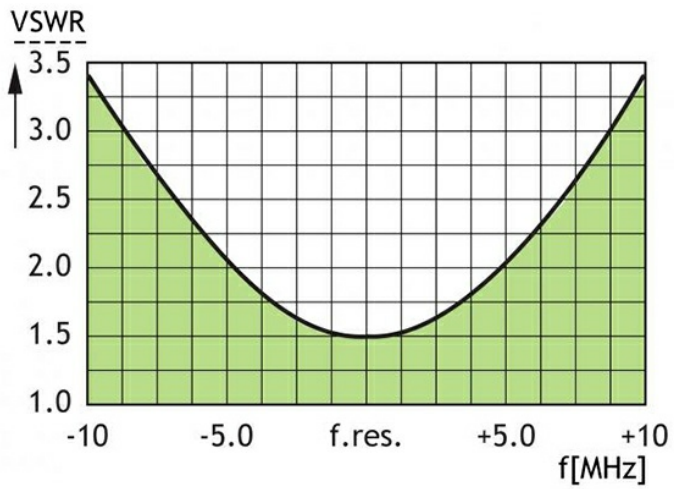
- Flexible, conical steel helix moulded in flexible thermoplastic rubber.
- Reduced-size ¼ λ helical antenna whip.
- Optimum performance compared to physical dimensions.
- 3 dB gain (typ.) compared to a ¼ λ antenna whip on the same equipment.
- Delivered factory-tuned and -tested to ensure minimum VSWR.
- Provided with universal FME-connection system for optimum flexibility and easily exchangeable connectors.
- The HX 2 is also available with SMA(m) connector.
- Designed for use with the following of the Procom's 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/...-FME
Frequency	2 m band covered by three models
Antenna Type	Shortened ¼ λ helical antenna
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 Ω
Gain	Approx. -3 dB (compared to a ¼ λ antenna whip on the same equipment)
VSWR	< 1.5:1 when mounted directly on portable equipment
Bandwidth	≥ 16 MHz @ VSWR ≤ 3.0:1

Mechanical	
Connection(s)	FME(f) or SMA(m) (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.

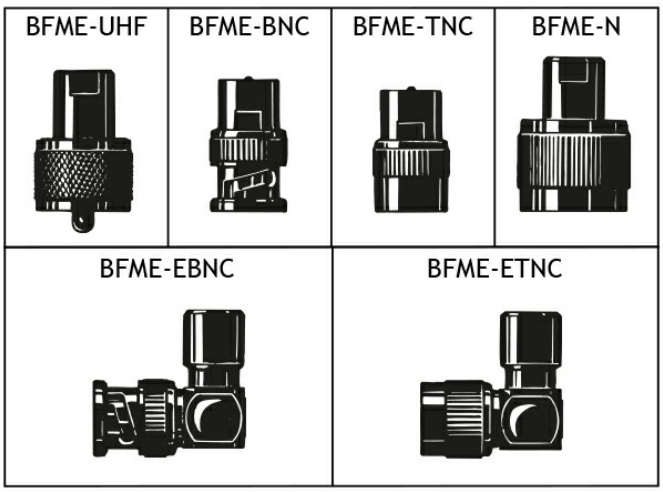
TYPICAL VSWR CURVE



ORDERING

Model	Product No.	Frequency
HX 2/l-FME(f)	140000137	144 - 160 MHz
HX 2/m-FME(f)	140000140	152 - 168 MHz
HX 2/h-FME(f)	140000121	160 - 175 MHz
HX 2/l-SMA(m)	140000285	144 - 160 MHz
HX 2/m-SMA(m)	140000282	152 - 168 MHz
HX 2/h-SMA(m)	140000283	160 - 175 MHz

RECOMMENDED BFME-CONNECTORS



(To be ordered separately)

PLEASE NOTE

The HX 2 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.