

HX 2/...-FME

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 $\frac{1}{4} \lambda$ 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 the Procom line of black FME-connectors (to be ordered separately): BFME-UHF, BFME-BNC, BFME-TNC, BFME-N, BFME-EBNC and BFME-ETNC.



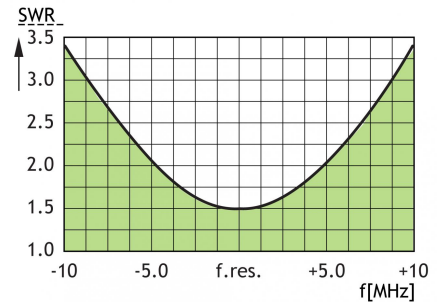
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
HX 2/l-FME	140000137	144 - 160 MHz
HX 2/m-FME	140000140	152 - 168 MHz
HX 2/h-FME	140000121	160 - 175 MHz

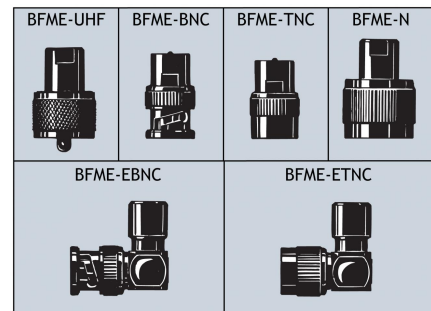
SPECIFICATIONS

ELECTRICAL	
MODEL	HX 2/...-FME
ANTENNA TYPE	Shortened $\frac{1}{4} \lambda$ helical antenna for portable equipment
FREQUENCY	2 m band covered by three models
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	Approx. -3 dB (compared to a $\frac{1}{4} \lambda$ portable antenna on the same equipment)
BANDWIDTH	≥ 16 MHz @ SWR ≤ 3.0
SWR	< 1.5 when mounted directly on portable equipment
MAX. POWER	25 W
MECHANICAL	
MATERIALS	Steel helix moulded in flexible thermoplastic rubber Black-chromed brass
COLOUR	Black
TOTAL HEIGHT	Approx. 150 mm (dep. on type)
WEIGHT	Approx. 30 g
CONNECTOR	FME-female (Exchangeable BFME-connectors to be ordered separately)

TYPICAL SWR CURVES



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.



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

12/08/13