

HX 2/70/...-FME

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

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 Procoms line of black FME-connectors (to be ordered separately): BFME-UHF, BFME-BNC, BFME-TNC, BFME-N, BFME-EBNC and BFME-ETNC.



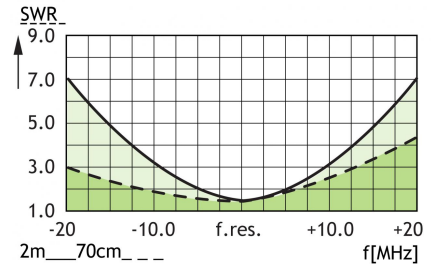
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
HX 2/70/...-FME	140000123

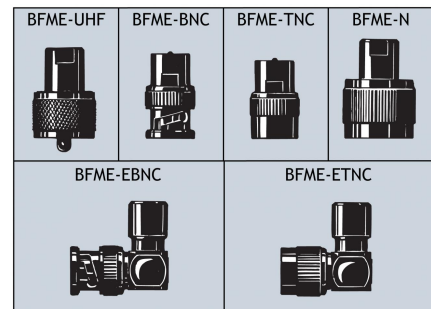
SPECIFICATIONS

ELECTRICAL	
MODEL	HX 2/70/...-FME
ANTENNA TYPE	Shortened $\frac{1}{4} \lambda$ helical antenna for portable equipment
FREQUENCY	160 MHz band: freq. to be stated within: 144...175 MHz 450 MHz band: freq. to be stated within: 380...470 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	Approx. -3 dB (compared to a $\frac{1}{4} \lambda$ portable antenna on the same equipment)
BANDWIDTH	160 MHz: ≥ 16 MHz @ SWR ≤ 3.0 450 MHz: ≥ 25 MHz @ SWR ≤ 3.0
SWR	< 1.6 when mounted directly on portable equipment
MAX. POWER	50 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 2/70 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.



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16/05/12