

# HX 2/70-FME

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

**PROCOM**

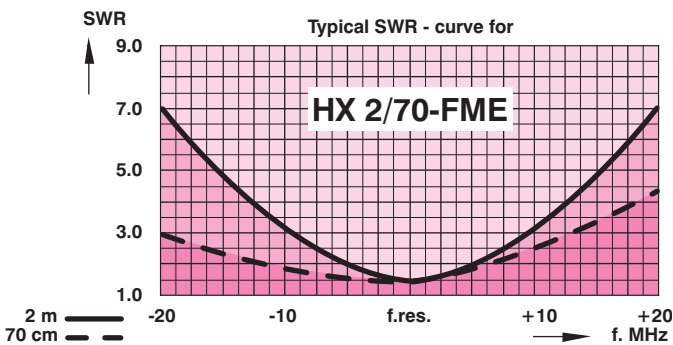
**TETRA**

## DESCRIPTION:

- ★ Flexible, conical steel helix moulded in flexible thermoplastic rubber.
- ★ Reduced-size  $1/4 \lambda$  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-MQ, BFME-EBNC and BFME-ETNC.

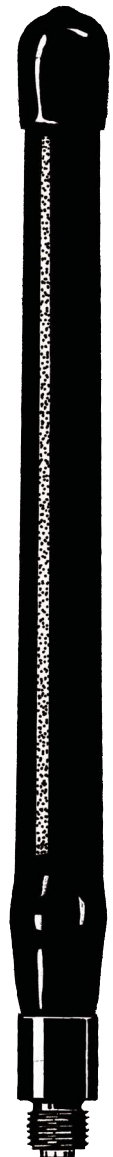
## SPECIFICATIONS:

ELECTRICAL	
MODEL	HX 2/70-FME
ANTENNA TYPE	Shortened $1/4 \lambda$ 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 $\Omega$
POLARISATION	Vertical
GAIN	Approx. -3 dB (compared to a $1/4 \lambda$ portable antenna on the same equipment)
BANDWIDTH	160 MHz: $\geq 16$ MHz @ SWR $\leq 3.0$ 450 MHz: $\geq 25$ MHz @ SWR $\leq 3.0$
SWR	$\leq 1.6$ when mounted directly on portable equipment
MAX. POWER	50 watt
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)

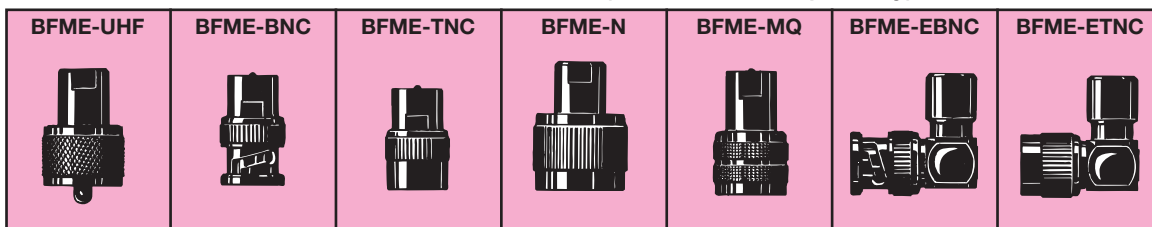


### PLEASE NOTE:

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.



## RECOMMENDED BFME-CONNECTORS: (To be ordered separately)



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