

HX 4/70-FME

Helical Antenna with Universal FME-Connection System for Portable Equipment in the 4 m and 70 cm Bands

DESCRIPTION

- Flexible, conical steel helix moulded in thermoplastic rubber.
- Significant reduction of length due to the helical principle.
- 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 and BFME-N.



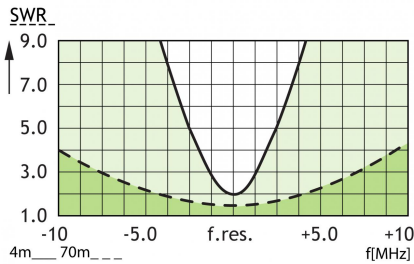
ORDERING DESIGNATIONS

| TYPE | PRODUCT NO. |
|-----------------|-------------|
| HX 4/70/...-FME | 140000071 |

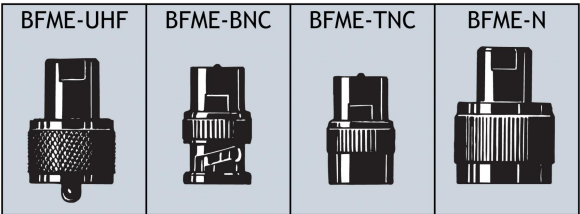
SPECIFICATIONS

| ELECTRICAL | |
|--------------|---|
| MODEL | HX 4/70/...-FME |
| ANTENNA TYPE | Shortened $\frac{1}{4} \lambda$ helical antenna for portable equipment |
| FREQUENCY | 80 MHz band: freq. to be stated within: 66...88 MHz 450 MHz band: freq. to be stated within: 380...450 MHz |
| IMPEDANCE | Nom. 50 Ω |
| POLARIZATION | Vertical |
| BANDWIDTH | 80 MHz: ≥ 6 MHz @ SWR ≤ 3.0 450 MHz: ≥ 25 MHz @ SWR ≤ 3.0 |
| SWR | < 2 when mounted directly on portable equipment |
| MAX. POWER | 50 W |
| MECHANICAL | |
| MATERIALS | Steel helix moulded in thermoplastic rubber Black-chromed brass |
| COLOUR | Black |
| TOTAL HEIGHT | 290 mm (dep. on type) |
| WEIGHT | Approx. 80 g |
| CONNECTOR | FME (female) (Exchangeable BFME-connectors to be ordered separately) |

TYPICAL SWR CURVE



RECOMMENDED BFME-CONNECTORS



(To be ordered separately)

PLEASE NOTE

The HX 4/70 is also available with 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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