

Antenna with Universal FME-Connection System for Portable Equipment in the 70 cm Band

DESCRIPTION

- > Short conical steel helix moulded in flexible thermoplastic rubber.
- Reduced-size ¼ λ helical antenna whip.
- Optimum performance compared to physical dimensions.
- Delivered factory tuned and tested to ensure minimum VSWR.
- 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-MUHF, BFME-EBNC, BFME-ETNC and BFME-EMUHF.



SPECIFICATIONS

| Electrical | | |
|------------------|-------------------------------------------------------------|--|
| Model | HX 70/FME | |
| Frequency | 70 cm band covered by four models | |
| Antenna Type | Shortened ¼ λ antenna for portable equipment | |
| Max. Input Power | 50 W | |
| Polarisation | Vertical | |
| Impedance | 50 Ω | |
| Gain | Approx3 dB (compared to a $1/4$ λ portable antenna) | |
| Bandwidth | ≥ 20 MHz @ VSWR ≤ 2.0:1 | |

| Mechanical | |
|---------------|----------------------------------------------------------------|
| Connection(s) | FME(f) (Exchangeable BFME-connectors to be ordered separately) |
| Materials | Steel helix moulded in flexible thermoplastic rubber Black POM |
| Colour | Black |
| Height | Approx. 65 mm / 2.56 in. |
| Weight | Approx. 0.02 kg / 0.04 lb. |

PLEASE NOTE

The HX 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.

ORDERING

| Model | Product No. | Frequency |
|----------------|-------------|---------------|
| HX 70/s-FME(f) | 140000195 | 380 - 410 MHz |
| HX 70/I-FME(f) | 140000204 | 400 - 430 MHz |
| HX 70/m-FME(f) | 140000205 | 420 - 450 MHz |
| HX 70/h-FME(f) | 140000201 | 440 - 470 MHz |

RECOMMENDED BFME-CONNECTORS

| BFME-UHF | BFME-BNC | BFME-TNC | BFME-N |
|-----------|-----------|-----------|------------|
| | | | |
| BFME-MUHF | BFME-EBNC | BFME-ETNC | BFME-EMUHF |
| | | | |

(To be ordered separately)