

End-Fed ½ λ Dipole Antenna with Universal
FMEConnection System for Portable Equipment in the
70 cm Band

DESCRIPTION

- Sturdy, conical, flexible rubber antenna.
- Full-size, end-fed ½ λ antenna whip.
- High gain and efficient decoupling from the portable equipment.
- 3 dB gain (typ.) compared to a ¼ λ antenna whip on the same equipment.
- Highest quality materials – designed for “wear and tear”.
- Delivered factory tuned and tested to ensure minimum VSWR and optimum performance.
- 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.



SPECIFICATIONS

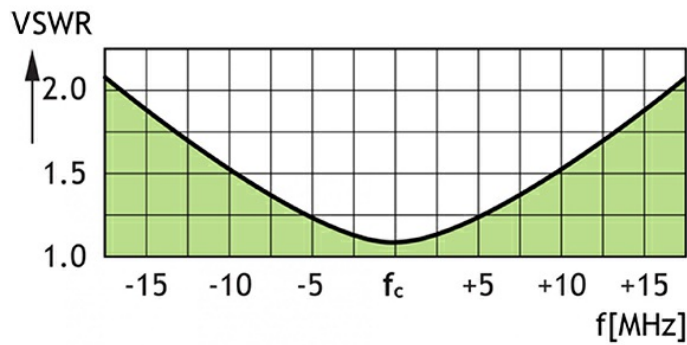
Electrical	
Model	EFD 70/...-FME
Frequency	70 cm band (380 - 470 MHz)
Antenna Type	Antenna for portable equipment
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 Ω
Gain	0 dBd / 2.15 dBi 3 dB (compared to a ¼ λ portable antenna)
VSWR	< 1.3:1 @ f _c
Bandwidth	≥ 30 MHz @ VSWR ≤ 2.5

Mechanical	
Connection(s)	FME(f) (Exchangeable BFME-connectors to be ordered separately)
Materials	Steelwire moulded in thermoplastic rubber Black-chromed brass
Colour	Black
Height	Approx. 310 mm / 12.20 in.
Weight	Approx. 0.06 kg / 0.13 lb.

ORDERING

Model	Product No.	Frequency
EFD 70/385-FME	140000753	370 - 400 MHz
EFD 70/405-FME	140000754	390 - 420 MHz
EFD 70/425-FME	140000755	410 - 440 MHz
EFD 70/445-FME	140000756	430 - 460 MHz
EFD 70/465-FME	140000757	450 - 480 MHz
EFD 70/...-FME/GND	140000490	

TYPICAL VSWR CURVE



RECOMMENDED BFME-CONNECTORS

BFME-UHF	BFME-BNC	BFME-TNC	BFME-N
BFME-EBNC		BFME-ETNC	

(To be ordered separately)

PLEASE NOTE

The EFD 70/...-FME is also available in an antistatic protected version.the parts of the EFD 70/...-FME/GND (see ordering designations) are DC-grounded and the connector shows a DC-short.The mechanical length is approx. 50 mm longer in this case.