

# FSP 900/...-FME

## End-Fed $1/2 \lambda$ Dipole Antenna with Universal FME-Connection System for Portable Equipment in the 900 MHz Band



### DESCRIPTION:

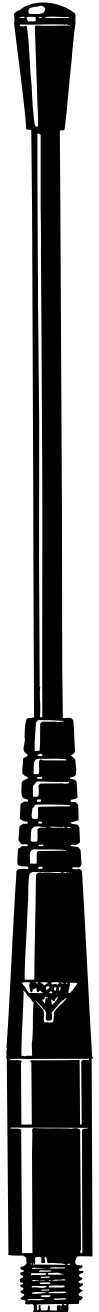
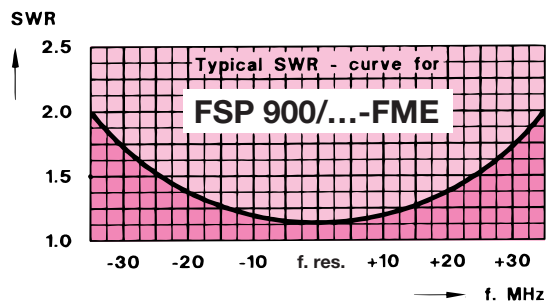
- ★ Highly flexible polyethylene covered StraightFlex steel wire (self-straightening).
- ★ Full size, end-fed  $1/2 \lambda$  antenna whip – groundplane independent.
- ★ High gain and efficient decoupling from the portable equipment due to half-wave design.
- ★ 5 dB gain (typ.) compared to a  $1/4 \lambda$  antenna whip on the same equipment.
- ★ Highest quality materials in a slender and elegant design.
- ★ Delivered factory tuned to customer specified frequency or cellular system.
- ★ 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-BNC, BFME-TNC, BFME-N, BFME-MUHF, BFME-MQ, BFME-EBNC, BFME-ETNC and BFME-EMUHF.

### ORDERING DESIGNATIONS:

When ordering the antenna, please state the centre frequency or the name of a cellular network.

### EXAMPLES OF ORDERING:

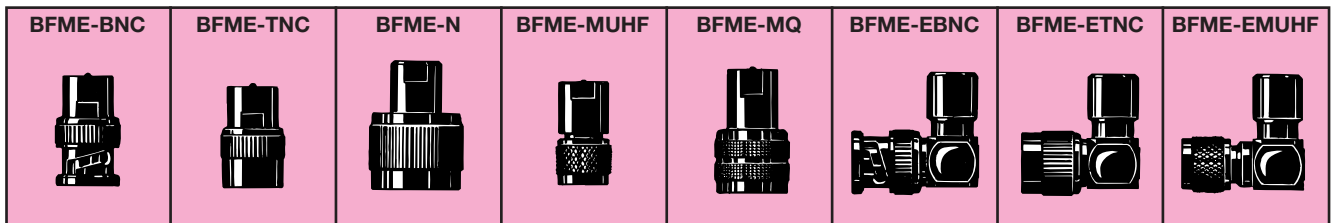
FREQUENCY/ CELLULAR NETWORK	TYPE
915 MHz	FSP 900/915-FME
NMT-900	FSP 900/NMT-FME
ETACS	FSP 900/ETACS-FME
EAMPS	FSP 900/EAMPS-FME



### SPECIFICATIONS:

ELECTRICAL	
ANTENNA TYPE	End-fed $1/2 \lambda$ antenna for portable equipment
FREQUENCY	900 MHz band (820–960 MHz)
IMPEDANCE	Nom. 50 $\Omega$
POLARISATION	Vertical
GAIN	5 dB (compared to a $1/4 \lambda$ portable antenna)
BANDWIDTH	$\geq 70$ MHz at SWR $\leq 2.0$
SWR	$< 1.3$ at f. res.
MAX. POWER	25 watt
MECHANICAL	
MATERIALS	Polyethylene covered flexible steel wire Black-chromed brass
COLOUR	Black
TOTAL HEIGHT	Approx. 170 mm (dep. on type)
WEIGHT	Approx. 25 g
CONNECTOR	FME (female) (Exchangeable BFME-connectors to be ordered separately)

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



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