End-Fed ½ λ Dipole Antenna for Portable Equipment in the 900 MHz Band

DESCRIPTION

- Highly flexible polyethylene covered StraightFlex steel wire (self-straightening).
- Full size, end-fed ½ λ antenna whip – groundplane independent.
- 3 dB gain (typ.) compared to a ¼ λ antenna whip on the same equipment.
- High gain and efficient decoupling from the portable equipment due to half-wave design.
- 2.15 dBi gain half-wave dipole antenna.
- Highest quality materials in a slender and elegant design.
- Provided with SMA(m) connector.

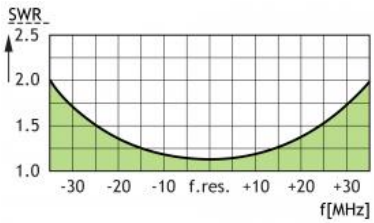
SPECIFICATIONS

Electrical	
Model	FSP 900/...-SMA
Frequency	900 MHz band (820 - 960 MHz)
Antenna Type	End-fed ½ λ 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. res.
Bandwidth	≥ 70 MHz @ VSWR ≤ 2.0

Mechanical	
Connection(s)	SMA(m)
Materials	Polyethylene covered flexible steel wire Weather- and shockproof plastics Black-chromed brass
Colour	Black
Height	Approx. 170 mm / 6.69 in.
Weight	Approx. 0.025 kg / 0.06 lb.

DIAGRAM

Typical VSWR Cirve



ORDERING

Model	Product No.	Frequency
FSP 900/855-SMA(m)	140000273	820 - 890 MHz
FSP 900/870-SMA(m)	140000274	835 - 905 MHz
FSP 900/925-SMA(m)	140000275	890 - 960 MHz