

## End-Fed $\frac{1}{2} \lambda$ Dipole Antenna for Portable Equipment in the 900 MHz Band

### DESCRIPTION

- > Highly flexible polyethylene covered StraightFlex steel wire (self-straightening).
- > Full size, end-fed  $\frac{1}{2} \lambda$  antenna whip – groundplane independent.
- > 3 dB gain (typ.) compared to a  $\frac{1}{4} \lambda$  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.
- > Delivered factory tuned to customer specified frequency or cellular system.
- > Provided with SMA(m) connector.



### SPECIFICATIONS

Electrical	
Model	FSP 900/...-SMA
Frequency	900 MHz band (820 - 960 MHz)
Antenna Type	End-fed $\frac{1}{2} \lambda$ antenna for portable equipment
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 $\Omega$
Gain	0 dBd / 2.15 dBi (3 dB compared to a $\frac{1}{4} \lambda$ portable antenna)
VSWR	< 1.3:1 @ f. res.
Bandwidth	$\geq 70$ MHz @ VSWR $\leq 2.0$
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. (dep. on type)
Weight	Approx. 0.025 kg / 0.06 lb.

### 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

### TYPICAL VSWR CURVE

