

FSP 900/...-SMA

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.
- High gain and efficient decoupling from the portable equipment due to half-wave design.
- 5 dB gain (typ.) compared to a $\frac{1}{4} \lambda$ 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 SMA male connector.



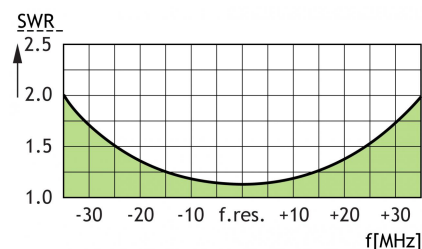
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
FSP 900/...-SMA	140000295	820 - 960 MHz

SPECIFICATIONS

ELECTRICAL	
MODEL	FSP 900/...-SMA
ANTENNA TYPE	End-fed $\frac{1}{2} \lambda$ antenna for portable equipment
FREQUENCY	900 MHz band (820 - 960 MHz)
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	5 dB (compared to a $\frac{1}{4} \lambda$ portable antenna on the same equipment)
BANDWIDTH	≥ 70 MHz @ SWR ≤ 2.0
SWR	< 1.3 @ f. res.
MAX. POWER	25 W
MECHANICAL	
MATERIALS	Polyethylene covered flexible steel wire Weather- and shockproof plastics Black-chromed brass
COLOUR	Black
TOTAL HEIGHT	Approx. 170 mm (dep. on type)
WEIGHT	Approx. 25 g
CONNECTOR	SMA (male)

TYPICAL SWR CURVE



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