

## End-Fed $\frac{1}{2} \lambda$ Whip on 900 MHz and $\frac{1}{4} \lambda$ Whip on 400 MHz for Portable Equipment

### DESCRIPTION

- > Flexible antenna made of steel wire covered with black silicone tubing.
- > End-fed  $\frac{1}{2} \lambda$  whip on 900 MHz, and  $\frac{1}{4} \lambda$  whip on 400 MHz.
- > High gain and efficient decoupling from the portable equipment due to half-wave design.
- > 3 dB gain (typ.) compared to a  $\frac{1}{4} \lambda$  antenna whip on the same equipment.
- > Highest quality materials in a long-lasting and durable design.
- > Provided with SMA(m) connector.



### SPECIFICATIONS

Electrical	
Model	FLX 400/900-SMA
Frequency	400 MHz band : 270 - 450 MHz 900 MHz band : 830 - 920 MHz
Antenna Type	End-fed $\frac{1}{2} \lambda$ on 900 MHz and $\frac{1}{4} \lambda$ on 400 MHz 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. for 900 MHz band
Bandwidth	400 MHz : $\geq 180$ MHz @ VSWR $\leq 5.0:1$ 900 MHz : $\geq 90$ MHz @ VSWR $\leq 2.0:1$
Mechanical	
Connection(s)	SMA(m)
Materials	Silicone tube over flexible steel wire Black-chromed brass
Colour	Black
Height	Approx. 180 mm / 7.09 in.
Weight	Approx. 0.03 kg / 0.07 lb.

### ORDERING

Model	Product No.
FLX 400/900-SMA(m)	140000214

### TYPICAL VSWR CURVE

