

End-Fed 1/2 λ Whip on 900 MHz and 1/4 λ Whip on 400 MHz for Portable Equipment

DESCRIPTION

- Flexible antenna made of steel wire covered with black silicone tubing.
- End-fed 1/2 λ whip on 900 MHz, and 1/4 λ whip on 400 MHz.
- High gain and efficient decoupling from the portable equipment due to half-wave design.
- 5 dB gain on 900 MHz compared to a 1/4 λ antenna whip on the same equipment.
- Highest quality materials in a long-lasting and durable design.
- Provided with SMA male 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 1/2λ on 900 MHz and 1/4λ on 400 MHz antenna for portable equipment
Polarisation	Vertical
Impedance	50 Ω
Gain	5 dB on 900 MHz (compared to a 1/4 λ portable antenna)
VSWR	< 1.3:1 @ f. res. for 900 MHz band
Maximum Input Power	25 W
Bandwidth	400 MHz: = 180 MHz @ SWR = 5.0:1 900 MHz: = 90 MHz @ SWR = 2.0:1

Mechanical	
Connection(s)	SMA(m)
Materials	Silicone tube over flexible steel wire Black-chromed brass
Colour	Black
Height	180 mm / 7.09 in.
Weight	0.03 kg / 0.07 lb

ORDERING

Type	Product No.
FLX 400/900-SMA	140000214



DIAGRAM
TYPICAL SWR CURVE

