

## End-Fed $\frac{1}{2} \lambda$ Dipole Antenna with SMA-Connector for Portable Equipment in the 2400 MHz Band

### DESCRIPTION

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



### SPECIFICATIONS

Electrical	
Model	FLX 2412/...-SMA
Frequency	To be specified within 2300 - 2500 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)
Bandwidth	$\leq 100$ MHz @ VSWR $\leq 2.0$
Mechanical	
Connection(s)	SMA(m)
Materials	Silicone tube over flexible steel wire Black-chromed brass
Colour	Black
Height	Approx. 85 mm / 3.35 in.
Weight	Approx. 0.022 kg / 0.05 lb.

### ORDERING

Model	Product No.	Frequency
FLX 2412/2350-SMA(m)	140000769	2300-2400 MHz
FLX 2412/2400-SMA(m)	140000770	2350-2450 MHz
FLX 2412/2450-SMA(m)	140000771	2400-2500 MHz

### TYPICAL VSWR CURVE

