

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

DESCRIPTION

- End-fed $\frac{1}{2}$ λ whip – groundplane independent.
- High gain and efficient decoupling from the portable equipment due to half-wave design.
- 3 dB gain (typ.) compared to a $\frac{1}{4}$ λ antenna whip on the same equipment.
- Highest quality materials in a long-lasting and durable design.
- Models available for the ISM, FLAN, WLAN systems.
- Provided with SMA(m) connector.



SPECIFICATIONS

Electrical	
Model	EFD 2412/...-SMA
Frequency	To be specified within 2300 - 2500 MHz
Antenna Type	End-fed $\frac{1}{2}$ λ antenna for portable equipment
Max. Input Power	25 W
Polarisation	Vertical
Impedance	50 Ω
Gain	0 dBd / 2.15 dBi (3 dB compared to a $\frac{1}{4}$ λ portable antenna)
Bandwidth	≥ 50 MHz @ VSWR ≤ 1.5 ≥ 200 MHz @ VSWR ≤ 2.0
Mechanical	
Connection(s)	SMA(m)
Materials	Black cover POM, Black-chromed brass
Colour	Black
Height	Approx. 110 mm / 4.33 in.
Weight	Approx. 0.022 kg / 0.05 lb.

ORDERING

Model	Product No.	Frequency
EFD 2412/2300-SMA(m)	140000781	2200 - 2400 MHz
EFD 2412/2350-SMA(m)	140000782	2250 - 2450 MHz
EFD 2412/2400-SMA(m)	140000783	2300 - 2500 MHz
EFD 2412/2450-SMA(m)	140000784	2350 - 2550 MHz
EFD 2412/2500-SMA(m)	140000785	2400 - 2600 MHz