

Glassfibre end fed dipole antenna 176-192 MHz

DESCRIPTION

A rugged and durable VHF omni antenna designed for VHF aircraft band, Telemetry, Paging and PMR/Trunked Radio applications. Housed inside a a high-strength glass fibre shroud, the antenna includes an integrated mounting clamp allowing easy installation on poles or horizontal rails. The robust antenna design ensures reliable operation in harsh environmental conditions.

- Former Skymasts brand product.

SPECIFICATIONS

Electrical	
Frequency	176 - 192 MHz
Max. Input Power	100 W
Omni Deviation	< ± 0.5 dB
Polarisation	Vertical
3 dB Beamwidth, E-Plane	80 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	<1 .5:1 typical, < 1.8:1 Max
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Radiating Element(s)	11 mm dia brass tube
Connection(s)	N(f) on 500mm RG213/U cable
Radiator Feed	PTFE dielectric coaxial cable
Radome Material / Colour	GRP tube grey, 26mm dia.
Length	1600 mm / 62.99 in.
Wind Load	62 N (160km/h)
Corrosion Protection	Surtec 650
Weight	0.8 kg / 1.76 lb
Mounting	Integral mounting clamp to fit 38 - 50 mm dia. pipe or horizontal rail

ORDERING

Model	Product No.	Frequency
Glassfibre end fed dipole antenna 176-192 MHz	S.EFX-184	176 - 192 MHz



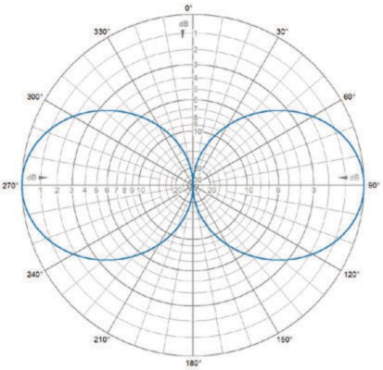
DIAGRAM

MOUNTING & DIAGRAMS



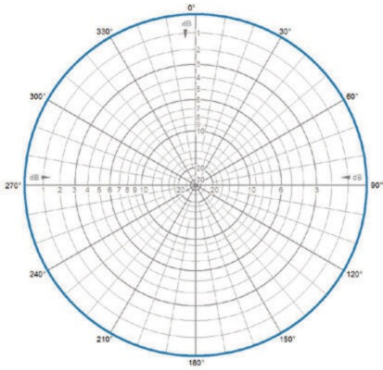
Antenna Mounting

RADIATION PATTERNS



E-Plane | 184 MHz

RADIATION PATTERNS



H-Plane | 184 MHz