

Glassfibre end fed dipole antenna 145 - 165 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              |                                                          |
|-------------------------|----------------------------------------------------------|
| Model                   | S.EFX-155                                                |
| Frequency               | 145 - 165 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                   | Approx. 1600 mm / 62.99 in.                                            |
| Wind Load                | 62 N (160 km/h)                                                        |
| Corrosion Protection     | Surtec 650                                                             |
| Weight                   | Approx. 0.8 kg / 1.76 lb.                                              |
| Mounting                 | Integral mounting clamp to fit 38 - 50 mm dia. pipe or horizontal rail |

ORDERING

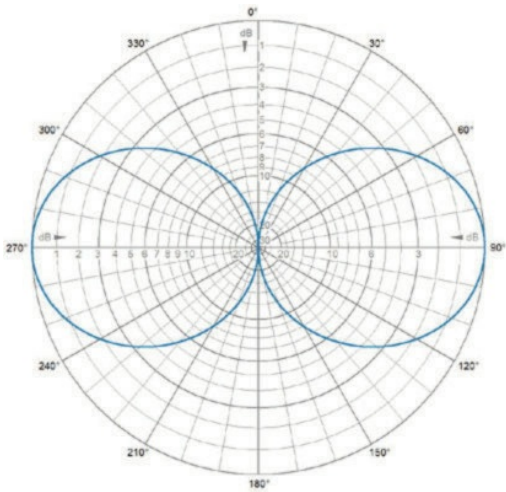
| Model                             | Product No. | Frequency     |
|-----------------------------------|-------------|---------------|
| Glassfibre end fed dipole antenna | S.EFX-155   | 145 - 165 MHz |

MOUNTING DETAILS



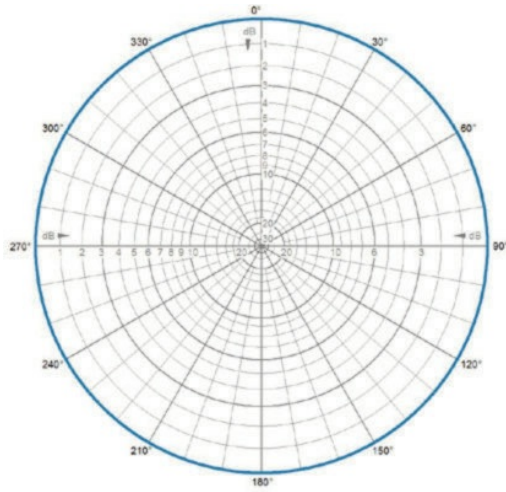
Antenna Mounting

RADIATION PATTERNS



E-Plane | 155 MHz

RADIATION PATTERNS



H-Plane | 155 MHz

