

Broadband 3 dB glass fibre colinear 118 - 137 MHz

DESCRIPTION

- A rugged and durable VHF colinear antenna designed for 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.
- The robust antenna design ensures reliable operation in harsh environmental conditions.
- Former Skymasts brand product.

SPECIFICATIONS

Electrical	
Frequency	118 - 137 MHz
Max. Input Power	150 W
Omni Deviation	< ± 0.5 dB
Polarisation	Vertical
3 dB Beamwidth, E-Plane	33 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	3 dBd (5.2 dBi)
VSWR	< 1.5:1 (< 1.6:1 at band edges)
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, 40mm dia.
Length	3400 mm / 133.86 in.
Wind Load	202 N (160km/h)
Corrosion Protection	Black anodise
Weight	1.8 kg / 3.97 lb
Mounting	Integral mounting clamp to fit 38 - 50 mm dia. pipe or horizontal rail

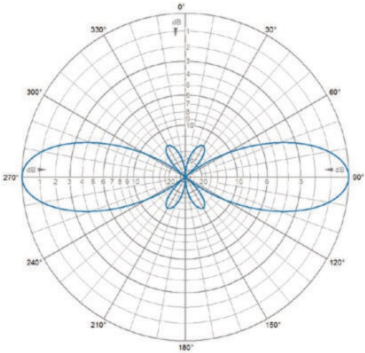
Environmental	
Survival Wind Speed	200 km/h



ORDERING

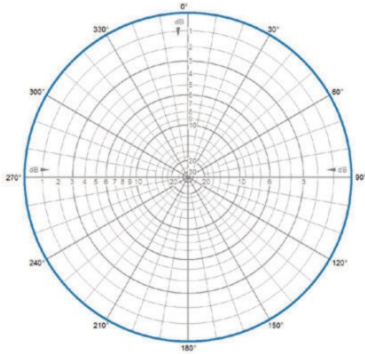
Model	Product No.	Frequency
Broadband 3 dB glass fibre colinear 118 -137 MHz	S.C3B-127	117 - 137 MHz

RADIATION PATTERNS



E-Plane | 127 MHz

RADIATION PATTERNS



H-Plane | 127 MHz