

Broadband 3db glassfibre colinear 155-175 MHz

DESCRIPTION

A rugged and durable UHF colinear antenna designed for Telemetry, Paging and PMR/Trunked Radio applications. Housed inside 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	155 - 175 MHz
Max. Input Power	100 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
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	3100 mm / 122.05 in.
Wind Load	185 N (160km/h)
Corrosion Protection	Black anodise
Weight	1.5 kg / 3.31 lb
Mounting	Integral mounting clamp to fit 38 - 50 mm dia. pipe or horizontal rail

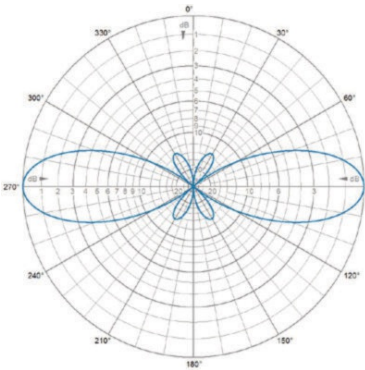
ORDERING

Model	Product No.	Frequency
Broadband 3db glassfibre colinear 155-175 MHz	S.C3B-165	155 - 175 MHz



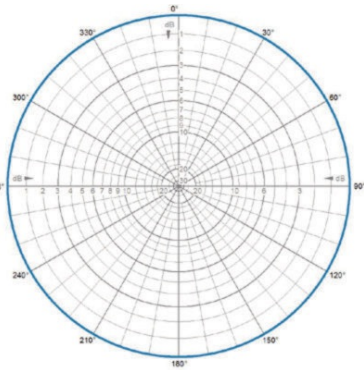
DIAGRAM

RADIATION PATTERNS



E-Plane | 165 MHz

RADIATION PATTERNS



H-Plane | 165 MHz

