

Broadband 3db glassfibre colinear 410-430 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 or horizontal rails. The robust antenna design ensures reliable operation in harsh environmental conditions.

- Former Skymasts brand product.

SPECIFICATIONS

Electrical	
Frequency	410 - 430 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, 26mm dia.
Length	1600 mm / 62.99 in.
Wind Load	62 N (160km/h)
Corrosion Protection	Black anodise
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
Broadband 3db glassfibre colinear 410-430 MHz	S.C3B-420	410 - 430 MHz



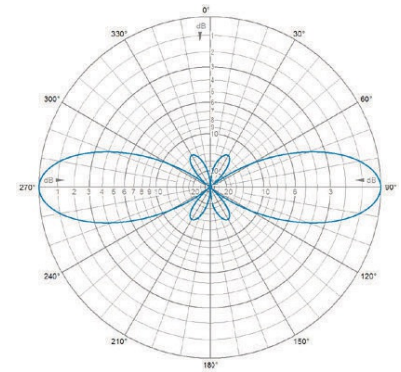
DIAGRAM

MOUNTING & DIAGRAMS



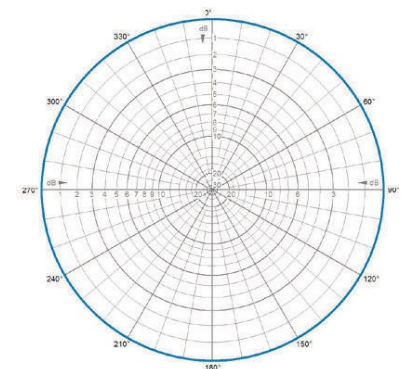
Antenna Mounting

RADIATION PATTERNS



E-Plane | 420 MHz

RADIATION PATTERNS



H-Plane | 420 MHz

