

Shrouded Yagi 1000 - 1100MHz 38mm-60mm dia NF

DESCRIPTION

The 744.15 yagi is deigned for use in the air navigation band, particularly for stationary transponder use. The "aircraft wing" geometry of the radome minimises wind area. The use of a PTFE printed circuit feed allows wide band operation, and increases antenna power handling capability. The radome protects the antenna from severe weather conditions, reduces precipitation noise, and deters the formation of ice.

- Former Skymasts brand product.

SPECIFICATIONS

Electrical	
Frequency	1000 - 1100 MHz
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	37 °
3 dB Beamwidth, H-Plane	39 °
Impedance	50 Ω
Gain	12.9 dBd (15 dBi)
VSWR	< 1.5:1
Max. Input Power	250 W
Front-To-Back Ratio	> 20 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Radiating Element(s)	PTFE printed circuit
Elements	Aluminium alloy
Connection(s)	N(f)
Radiator Feed	PTFE dielectric coaxial cable
Radome Material / Colour	Polyurethane, light grey
Fasteners	Stainless steel grade A2-70
Length	1300 mm / 51.18 in.
Wind Load	202 N (160km/h)
Weight	6 kg / 13.23 lb
Mounting	Integral bracket suits up to 60 mm dia. pole

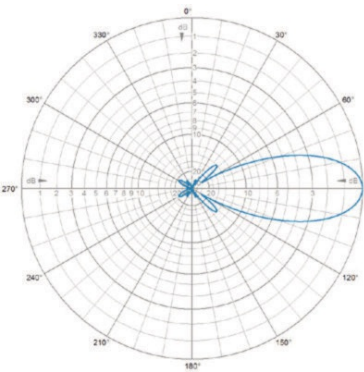
ORDERING

Type	Product No.	Frequency
Shrouded Yagi 1000 - 1100MHz 38mm-60mm dia NF	744.15.05.00	1000 - 1100 MHz



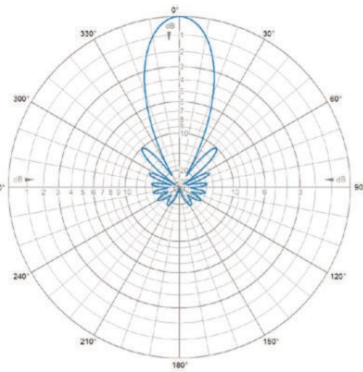
DIAGRAM

RADIATION PATTERNS



E-Plane | 1050 MHz

RADIATION PATTERNS



H-Plane | 1050 MHz

