

Shrouded Yagi 1300-1560 MHz 38mm-60mm dia NF

DESCRIPTION

The 744 SHF yagi offers a directive solution for long range SHF fixed links. 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	1300 - 1560 MHz
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	23 °
3 dB Beamwidth, H-Plane	26 °
Impedance	50 Ω
Gain	14.9 dBd (17 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

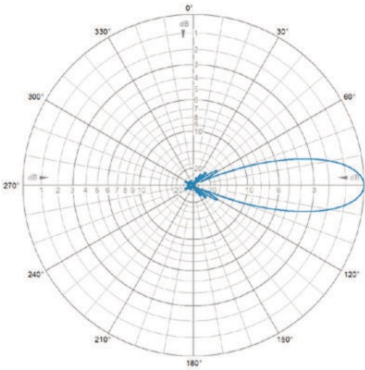
ORDERING

Type	Product No.	Description	Frequency
Shrouded Yagi 1300-1560 MHz 38mm-60mm dia NF	744.02.05.00	N(f) termination	1300 - 1560 MHz
Shrouded Yagi 1300-1560 MHz 38mm-60mm dia NF	744.02.33.00	7/16(f) termination	1300 - 1560 MHz



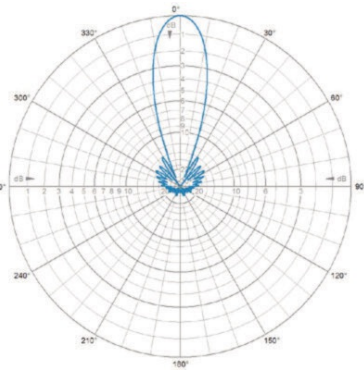
DIAGRAM

RADIATION PATTERNS



E-Plane | 1430 MHz

RADIATION PATTERNS



H-Plane | 1430 MHz