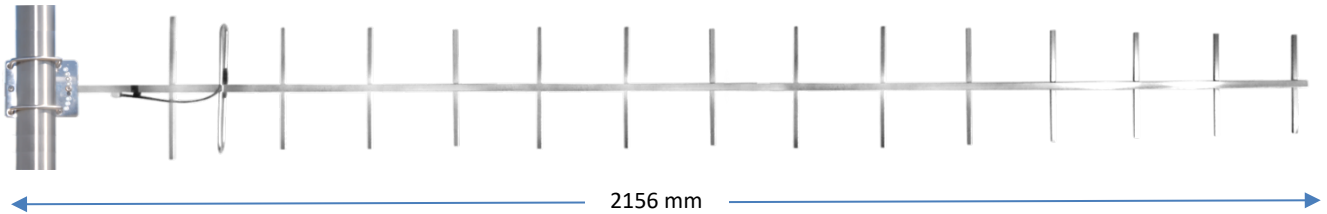


## DATASHEET

### UHF 15 ELEMENT YAGI ANTENNA

400 – 420 MHz



The model 02684R antenna is a 12 dBd (14dBi) gain 15 element all Stainless-Steel directional Yagi antenna for use in the 400 – 420 MHz radio band. Its robust construction ensures excellent longevity and performance. The all Stainless-Steel construction is ideally suited for weather and corrosion resistance. All mechanical connections are welded for minimum inter-modulation levels. The antenna comes with its own mounting clamp. All electrical connections are directly soldered.

#### APPLICATIONS

Radio Links

#### TUNING

Factory tuned, no further tuning required.

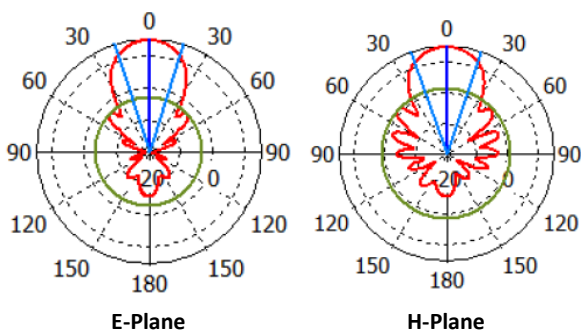
#### FEATURES

- High Gain
- Stainless Steel construction
- Power splitter included
- Narrow beamwidth
- DC Grounding

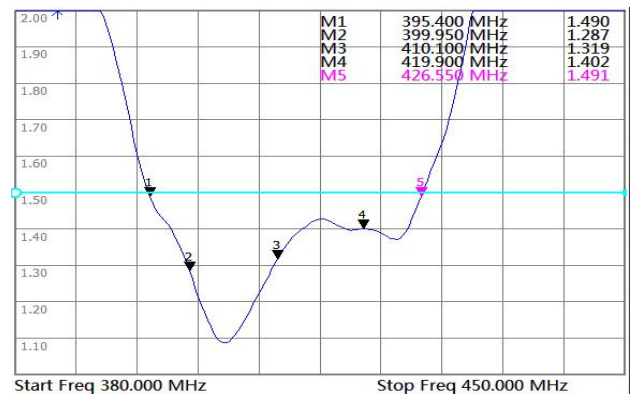
#### MOUNTING

Yagi is mounted on horizontal plane

#### RADIATION PATTERNS



#### VSWR



#### SPECIFICATIONS

Frequency	400 – 420 MHz
Gain	12 dBd, 14.15 dBi (mid band)
VSWR	<1.5:1 across entire band
Impedance	50 Ω Nominal
Polarisation	Directional
F/B Ratio	-30 dB (mid band)
Termination	N type female connector
Base Materials	All Stainless Steel
Antenna Length	2156 mm
Antenna Width	332 mm – widest element
Power Rating	100 watts
Wind Loading @ 160 KPH	20.87 KG / 204.6 N
E Plane 3 dB Beamwidth	35.5 deg
H Plane 3 dB Beamwidth	40 deg
Projected Area	0.0189 SQM
Weight	2.5 Kg

#### WARRANTY

3 years (Please refer to Benelec Standard Warranty Terms and Conditions)