

## DATASHEET

### UHF VERTICAL BROADBAND OMNI-DIRECTIONAL ANTENNA

360 – 520 MHz



The model 02644A is a vertical broadband base Station antenna covering the band 360 – 520MHz. This antenna offers a stable radiation pattern across the entire band. The antenna is enclosed in a heavy-duty fiberglass radome and has a fixed N type female connector.

#### APPLICATIONS

Base station applications.

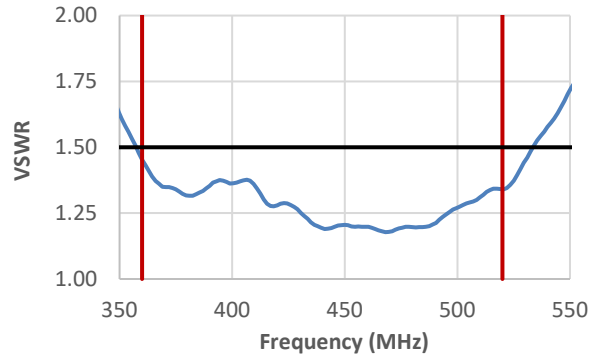
#### TUNING

Factory tuned; no further tuning required.

#### FEATURES

- All stainless steel.
- Fully enclosed in a heavy-duty radome.
- Fixed N connector.

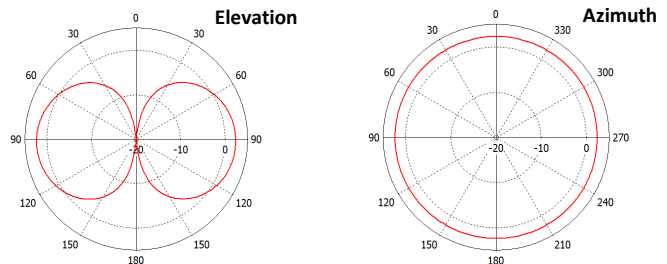
#### VSWR



#### MOUNTINGS

90 mm mounting tube. Supplied with heavy-duty stainless-steel brackets.

#### RADIATION PATTERNS



#### SPECIFICATIONS

Frequency	360 – 520 MHz	
Gain	2.5 dBd average	
VSWR	< 1.5:1 across entire band	
Impedance	50 Ω	
Polarisation	Vertical	
Termination	N Female Fixed	
Antenna Length	570 mm	
Antenna Width	96 mm	
Power Rating	500 Watts	
Wind loading	@ 160 KPH	6.3 KG / 62.5 N
	@ (175 MPH) 281.63 KPH with 0.5" radial Ice	19.8 KG / 195 N
	@ (150 MPH) 241.4 KPH with 0.5" radial ice	14.6 KG / 143 N
E Plane 3 dB Beamwidth	76 °	
H Plane 3 dB Beamwidth	360 °	
Mounting Tube	90 mm diameter / 160 mm length	
Base Materials	Stainless Steel and Fiberglass	
Antenna Weight	2.1 kg	

#### PACKAGING

1 pc Antenna with brackets per Cardboard Tube: 600 mm x 120 mm x 130 mm, Approx Weight 3.1 kg

#### WARRANTY

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