

DATASHEET

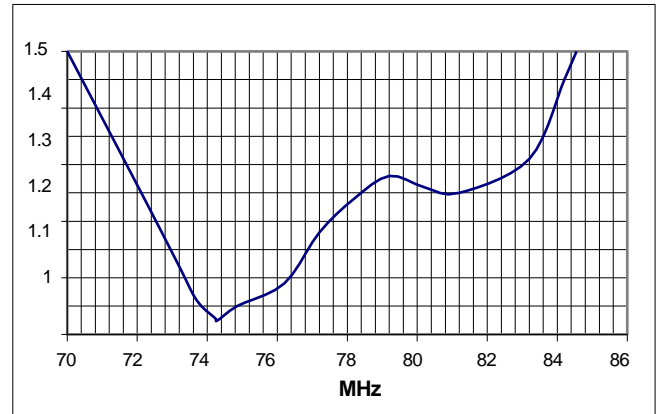
SKU: 02331

Benelec VHF Mid Band Base Folded Dipole Antenna

70-85MHz

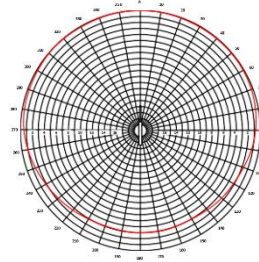


TYPICAL VSWR



The 02331 antenna is a 2dBd gain, all stainless steel, folded dipole antenna for use in the Mid band VHF commercial radio band. Its wide bandwidth is ideal in duplex and multi-coupling applications. The 02331 antenna is intended for quarter-wave mounting off a vertical structure, which offers a stable directional, radiation pattern across the whole band 70-85 MHz with the use of the appropriate phasing harness, the 02331 antenna can be stacked in two or four stack configurations for increased gain requirements. Its robust construction ensures excellent longevity and performance. The all-stainless-steel construction is ideally suited for weather and corrosion resistance.

RADIATION PATTERN



H Plane
Qtr Wave Spacing

APPLICATIONS

Wide Band VHF Mid Band, Duplex/Multi-coupling.

TUNING

Factory tuned; requires no further tuning.

FEATURES

- All Stainless Steel
- Stainless Steel Mounting Boom
- Stainless Steel Folded Dipole
- RG213 Cable Tail & N Socket Termination

OPTIONAL MOUNTINGS

Please refer to our website for all mounting options.

PACKAGING

1 per, Cardboard box

WARRANTY

3 years (Please refer to [Benelec Terms & Conditions](#))

SPECIFICATIONS

Frequency	70 – 85 MHz
Gain	2.1 dBi
VSWR	15 MHz <1.5:1 Operating bandwidth
Impedance	50 Ω Nominal
Polarization	Vertical
Radiation	Directional (3 dB F/B ratio *)
Termination	Cable tail with N female connector
Power Rating	520 Watts
Vertical beamwidth	80 deg @ Qtr. waves spacing
Horizontal beamwidth	200 deg @ Qtr. waves spacing
Weight	4.5 kg
Base Materials	Stainless Steel
Projected Area	0.130 SQM
Wind loading @ 160 KPH	14.5 kg/ 141.5 N
Mounting	50 mm diameter mtg tube
Antenna Length	1308 mm
Antenna Width	1788 mm

Website: benelec.au