

## DATASHEET

SKU: 02645D

### Benelec UHF 3dBd Spot Frequency Base Antenna 400-520MHz 3% Bandwidth

The 02645D antenna is a 3dBd gain, Base Station antenna for the UHF Commercial Radio Band. The antenna offers a stable radiation pattern with negligible horizontal pattern tilt. Its robust construction ensures excellent longevity and performance. Its smooth white tapered Radome presents an attractive profile.

#### APPLICATIONS

Base coverage for Simplex and Duplex UHF Commercial Radio Band.

#### TUNING

Factory tuned at specified 3% segment (~10 MHz) ; no further tuning required.

#### FEATURES

- UHF 315 – 520 MHz Band
- 3 dBd (5.15 dBi) Gain
- Durable robust construction
- Offers stable radiation pattern
- Smooth white Radome
- Excellent Longevity and performance

#### OPTIONAL MOUNTINGS

Please refer to our website for all 16mm Mountings and optional Coaxial Adaptors

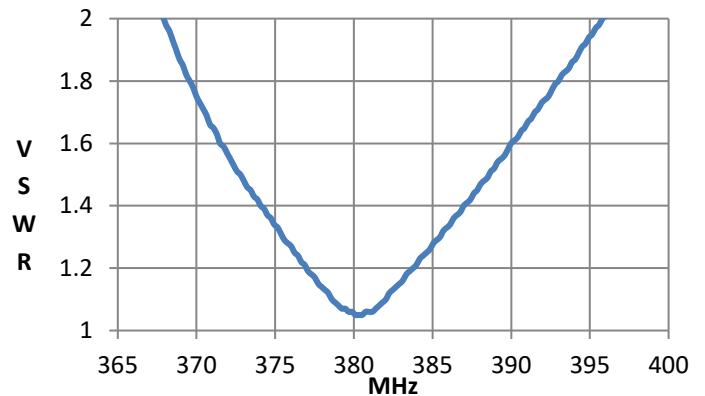
#### SPECIFICATIONS

Frequency	315 ~ 520 MHz (Factory Tuned at specified 3% segment)
Bandwidth	3%
Gain	3 dBd (5.15 dBi)
VSWR	<1.5:1 10 MHz BW *
Impedance	50 Ω Nominal
Power Rating	100 Watts
Polarisation	Vertical
Radiation	Omni Directional
Termination	N Female
Mounting Tube	50 mm diameter
Base Materials	Stainless Steel / Brass / Fiberglass
Antenna Length	1500 – 2142 mm
Antenna Net Weight	3.1 kg
Wind Loading @ 160 KPH	14.25 kg, 139.78 N @ 315 MHz
E Plane Beamwidth	32 Deg

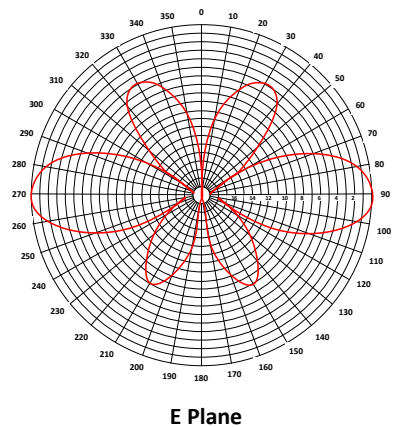
#### WARRANTY

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

#### VSWR



#### RADIATION PATTERN



E Plane

