

DATASHEET

SKU: 02647D

Benelec UHF 6dBd Spot Frequency Base Antenna

2.5% Bandwidth, 400-520MHz

The 02647D antenna is a 6 dBd gain, Base Station antenna covering the UHF Commercial Radio Band. Its high gain affords exceptional radio range coverage over distances not normally serviced by lower gain antennas. The 02647D 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
- 6 dBd 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

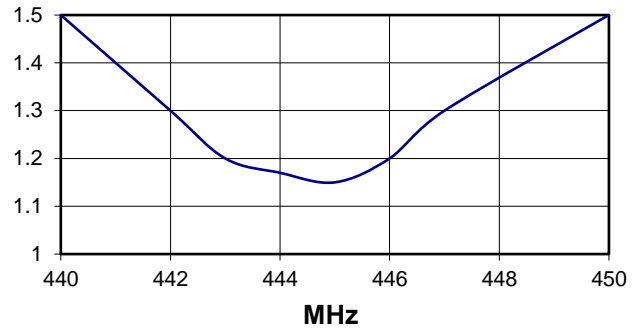
SPECIFICATIONS

Frequency	315 ~ 520 MHz (Factory Tuned at specified 3% segment)
Gain	6 dBd (8.15 dBi)
VSWR	<1.5:1 10 MHz BW
Impedance	50 Ω Nominal
Power Rating	150 Watts
Polarisation	Vertical
Radiation	Omni Directional
Termination	N Female
Mounting Tube	38 mm diameter
Base Materials	Stainless Steel / Brass / Fiberglass
Antenna Length	2670 – 3681 mm
Antenna Weight	4.47 kg
Projected Wind Area	0.19007 SQM
Wind Loading @ 160 KPH	20.98 kg (205.76 N) @ 315 MHz
E Plane Beamwidth	16 Deg

WARRANTY

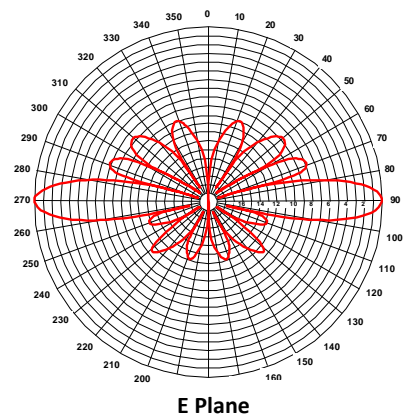
3 years (Please refer to [Benelec Terms & Conditions](#))

VSWR



VSWR when tuned to 440 – 450 MHz

RADIATION PATTERN



E Plane

2670 – 3681 mm