

## DATASHEET

SKU: 02637Y

### Benelec UHF 6.5dB GPI Elevated Feed 490-520MHz, Stainless Steel

The 02637Y series antenna is a Ground Independent, 6.5dB\* Gain, mobile antenna covering the UHF 490-520MHz Band. Its high gain produces exceptional radio range coverage over distances not normally serviced by lower gain antennas. Its Ground Independence maintains a stable radiation pattern in all mobile mounting applications. Its robust construction ensures excellent longevity and performance. Ideal for mounting in applications where ground plane area is non-existent or severely reduced.

#### APPLICATION

Mobile coverage for the UHF 490-520 MHz Band.

#### TUNING

Factory tuned; no further tuning required.

#### FEATURES

- Ground Plane Independent
- UHF
- 6.5dB\* Gain
- Heavy duty S/Steel & fibreglass Construction
- Pre-Terminated (no special tools required)
- Complete kit including 6.5dB antenna, S/steel spring & elevated feed base, 5m RG58 lead, FME socket fitted & FMEp-UHF adaptor 04914 \*\*
- Made using high quality components
- Designed and manufactured in Australia by a 100% Australian owned Company, Benelec Pty. Ltd.

#### SPECIFICATIONS

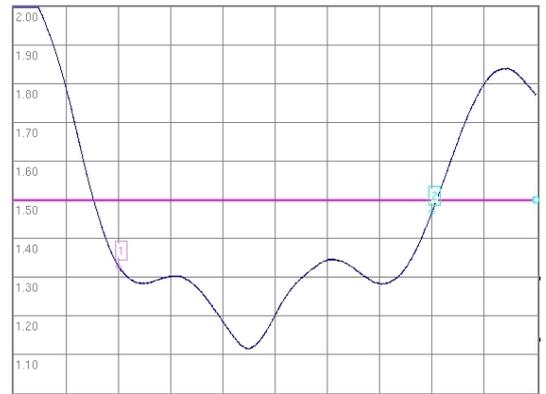
<b>Frequency:</b>	490-520 MHz
<b>Cable:</b>	5m RG58
<b>Gain:</b>	6.5 *dB
<b>Overall Length (L):</b>	840mm
<b>VSWR:</b>	<1.5:1
<b>Weight (including cable):</b>	386gm
<b>Impedance:</b>	50 Ω (Nominal)
<b>Termination:</b>	FME Socket + FMEp-UHFp Adaptor 04914 **
<b>Radiation Pattern:</b>	Omni Directional
<b>Construction:</b>	High Gain S/Steel base & Whip top
<b>E Plane Beamwidth:</b>	20 Deg
<b>Power:</b>	100W

\*dB Gain reference is relative to a ¼ wave on a ground plane.

#### PACKAGING

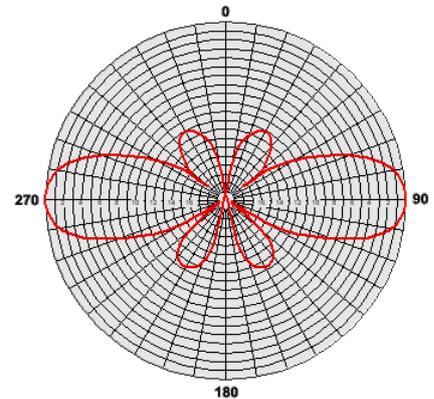
Blister Packaging; one antenna per pack, **GW 680 g**  
Carton; 10 pcs per, **Carton size:** 850 x 240 x 200 mm **GW: 8.9 kg**

#### VSWR



Mkr	Ref	Delta	Ref Freq	Ref Ampl	Delta Freq	Delta Ampl
1	ON	OFF	490.009 078 MHz	1.33	---	---
2	ON	OFF	519.990 921 MHz	1.47	---	---

#### RADIATION PATTERN



#### WARRANTY

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

Website: benelec.au

840mm