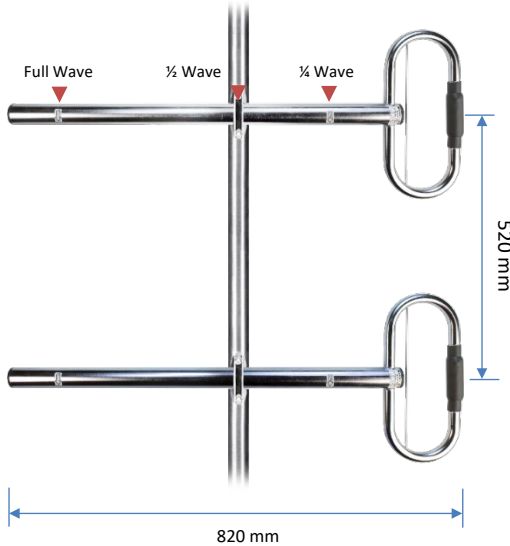


## DATASHEET

SKU: 02680A2

### Benelec UHF 5.5dBd Base 2 Bay Offset Array Antenna 360-520MHz



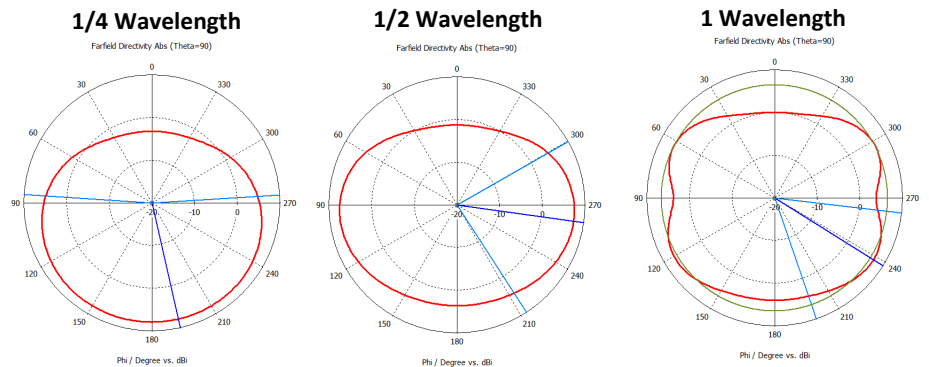
1/4 λ, 1/2 λ or 1 λ

\* 02680A4 Support mast is customer supplied.

The 02680A2 2-bay offset dipole array is a rugged broadband antenna for use in the 360 - 520MHz band. The dipoles are all welded and polished Stainless-Steel construction, suited to all harsh environments.

The array can be mounted in three configurations to allow for different shaped radiation patterns in the H plane, including 1/4, 1/2 and full wavelength spacing from the vertical mounting pole.

### RADIATION PATTERNS



### APPLICATIONS

Base station applications.

### TUNING

Factory tuned; no further tuning required.  
External Phasing Harness supplied.

### FEATURES

- All stainless-steel construction
- Broad H plane pattern
- Rugged Construction
- Broad VSWR bandwidth

### OPTIONAL MOUNTINGS

**02810S** Stainless-Steel, right-angle bracket mounting bracket is included with the antenna.

### PACKAGING

Cardboard Carton.

### WARRANTY

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

### INSTALLATION DIMENSIONS

Mast Spacing (mm)	
1/4 Wave	163 mm
1/2 Wave	326mm
Full Wave	652mm

### SPECIFICATIONS

Gain	* 4 – 5.5 dBd
Frequency	360 – 520 MHz
VSWR	< 1.5:1
Impedance	50 Ω Nominal
Power Rating	500 Watts
Polarisation	Vertical
H Plane	Directional (see radiation patterns)
E Plane	32 deg (at 1/4 λ)
Cable	RG214 Cable Tails
Termination	N Female Connector
Base Materials	Stainless Steel
Antenna + Boom Length	820 mm
Net Weight	7.2 kg (15.9 lbs)
Wind Loading	88.4 kg (194.9 lbs) (866.8 N) with 0.5" ice @ 150 mph 120.3 kgs (265.2 lbs) (117.8 N) with 0.5" ice @ 175 mph

Website: [benelec.au](http://benelec.au)