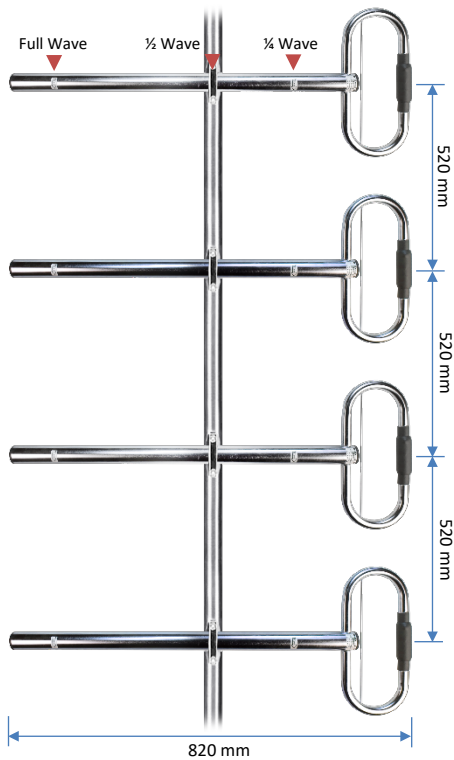


DATASHEET

PART NO: **02680A4**

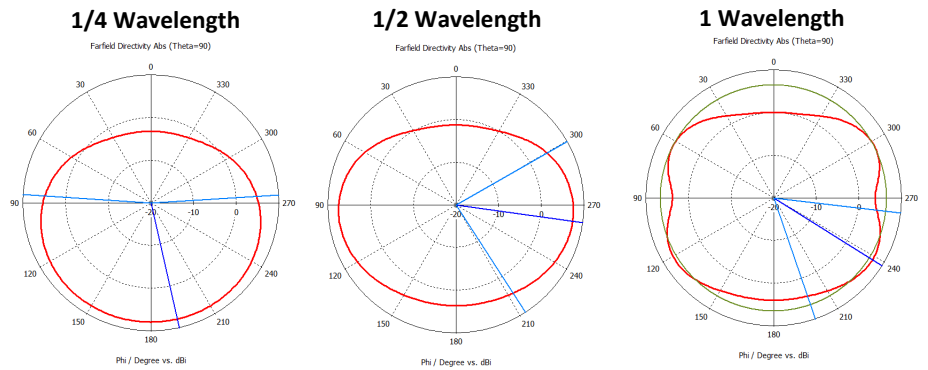
UHF 4 BAY OFFSET DIPOLE ARRAY 360 – 520 MHz



The 02680A4 4-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



1/4 λ, 1/2 λ or 1 λ

* 02680A4 Support mast is customer supplied.

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	* 5.5 – 7 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	14.4 kg (31.8 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