



BROADBAND PROPAGATION

Antenna Design & Supply

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BPA-DELTA 3-30-1000 ANTENNA

The BPA-DELTA 3-30 1000, antenna is a broadband, omni-directional, vertically polarized antenna with a high angle of radiation suitable for short to medium range communication. (up to 1000 kms)

A central Balun which is fed by 50 Ohm coax feeds both arms of the antenna.

Antenna arms are supported by a 17m central mast (not supplied) and two stub masts (see drawing overleaf)

Construction is of 3.2 mm stainless steel cable with UV stable fibre-glass spreaders and powder coated aluminium and glass reinforced polyester component cases. All external fittings and connections are of stainless steel. Lightning protection is provided.

Specifications

Frequency range:	3-30 MHz
Feed Impedance:	50 Ohms
Balun connection:	N type socket
Power Input:	1000 Watts PEP.
VSWR:	Better than 2:1*
Mast height:	17 meters 52 meters
Wind rating:	210 kilometers/ hour*
Temperature:	-30 to 55 deg. C ambient
Shipping weight:	20 kilograms
Shipping size:	200 x 31.5 x 24 cm

Options.

1. Supplied with 30 meters of RG 58 or RG 213 coaxial cable fitted with UHF or N connectors at both ends.
2. Central Pulley/halyard kit

Please specify (by description) when ordering

*In accordance with AS1170.2 SAA LOADING CODE; WIND LOADS 1989

*Measured at transceiver with 30m of RG 58 feeder

*Antenna height 10m, Gnd: Diel const. 10, Cond. 0.002

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