

## **BROADBAND PROPAGATION**

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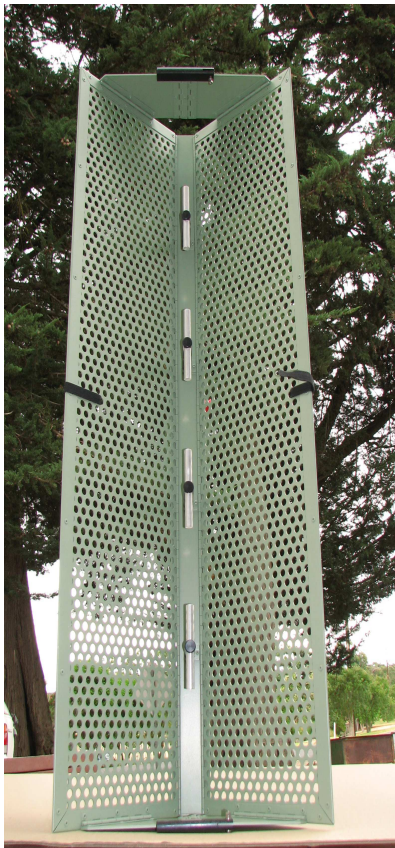
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### **BP25-13-18 BAND-3 CORNER REFLECTOR ANTENNA – Foldable**

The BP25-13-18 is a high-gain corner reflector antenna for Radio Relay Band 3 (1350-1850 MHz). Side and back-lobes are highly attenuated.

The antenna features low mass, low wind loading, rugged construction, and can be quickly folded flat for transport and storage. The antenna may be mounted horizontally for horizontal polarisation, or vertically for vertical polarisation.

Construction is of aluminium, stainless steel and acetal, with stainless steel mounting fittings.



#### **Specifications**

##### *Electrical*

Frequency Range:	1350-1850 MHz
Gain:	> 16 dBi across operating band
Polarisation:	Horizontal or vertical
F/B Ratio:	E Plane >25 dB 0/90-270 deg. H Plane >25 dB 0/90-270 deg.
3dB (half power) Beam Width:	E Plane 12-18 deg. H Plane 50-60 deg
VSWR:	< 2:1
Power Rating:	25 watts
Input Connection:	N type female

##### **Mechanical**

Mounting:	Mounts to 50mm shaft/ boom
Dimensions	
Operating:	1010 x 320 x 370mm
Folded:	1010 x 290 x 50mm
Antenna Weight:	5 kg

##### **Environmental**

Temperature:	-40 deg C to 90 deg C
Wind Speed Maximum:	40 m/s
Wind Load:	360 N (at 30 m/s)