

BROADBAND PROPAGATION

Antenna Design & Supply

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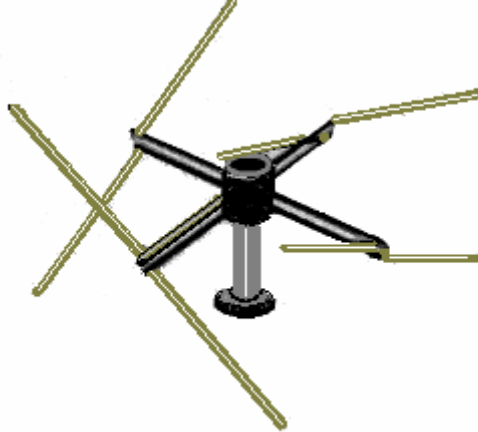
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CIRCULARLY POLARISED OMNI-DIRECTIONAL ANTENNA

Model: BPV-CPO-L



The BPV-CPO-L is a circularly polarised, omni-directional antenna, with even gain over a full hemisphere. This antenna operates in the L band (1.0 – 2.0 GHz)

The antenna will not cover the full frequency range in this band but covers a user-specified portion of it. It is ruggedly built from high quality components and materials including marine-grade stainless steel and acetal copolymers and it will withstand the most severe environmental conditions.

Power handling is 100 watts CW continuous.

Radiation can be configured to either RCP (right hand circular polarisation) or LCP (left hand circular polarisation) according to customer requirements.

The antenna can be pole or platform mounted and can be provided with a range of mounting hardware to suit customer requirements.

** Full connector protection is provided via weather shroud*

** Lightning and static discharge protection is provided*

Specifications

Frequency:	Within 1.0 – 2.0 GHz (L Band) according to customer specification
Gain:	2-3 dBi typical
VSWR:	Dependant on customers required bandwidth, < 2.0:1 for narrow band
Horizontal Pattern:	Omnidirectional
Polarisation:	Right or left hand circular polarisation (customer to specify)
Power Rating :	100 watts average (CW continuous)
Input Impedance:	50 ohms
Input connection:	N type Female
Overall height:	0.3m
Overall Width:	0.4m
Wind Rating	230 km/hr
Mounting:	Mounts to any circular spigot or tube 25 -50mm Diameter (Or to customer requirement)