

BROADBAND PROPAGATION

Antenna Design & Supply

1-3 Adelaide Rd. Echunga
PO Box 529 Echunga
South Australia. 5153

Phone: (08) 8388 8132
Fax: (08) 8388 8536
Intl.Phone: (618) 8388 8132
Intl.Fax: (618) 8388 8536

ABN: 84 232 273 647

E-mail: sales@broadbandpropagation.com
Web: www.broadbandpropagation.com

L BAND 500-2000 MHz SHIPBOARD ANTENNA

Model: BP-ML-500-2000



Designed for shipboard mounting, the BP-ML -500-2000 is a vertically polarised broadband antenna which operates in the frequency range of 500-2000 MHz with power handling of 110 watts.

The antenna is ground independent and has good efficiency across the bandwidth. The antenna radiating elements are enclosed within a cylindrical, protective fibreglass radome with polyurethane lacquer finish. The mounting post is of marine grade stainless steel

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

**Full-band instantaneous operation available with single RF input.*

**Full connector protection provided via gland-entry weather shroud*

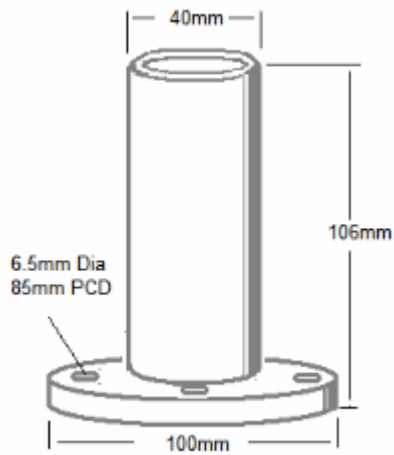
**Lightning and static discharge protection provided*

Specifications

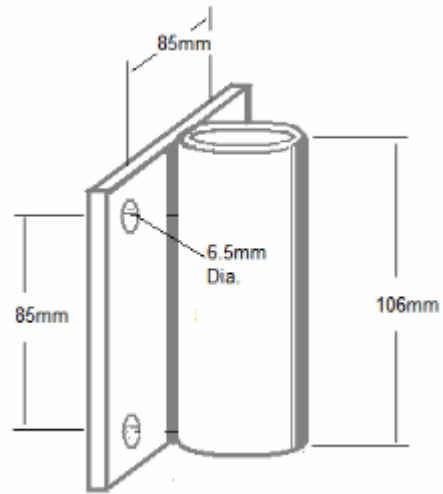
Frequency:	500-2000 MHz
Gain:	2 dBi typical
VSWR:	Maximum 2.5:1 across band
Horizontal Pattern:	Omnidirectional
Polarisation:	Vertical
Power Rating :	110 watts
Input Impedance:	50 ohms
Input connection:	N type Female
Wind Rating:	210 km/hr
Operational Temperature:	-20 deg C to +55 deg C
Storage Temperature:	-20 deg C to +70 deg C
Overall length:	1.2m
Overall Width:	40mm
Weight:	1.1 kg (excluding mounting)
Shipping weight:	2.0 kg (including mounting)
Shipping Size:	1.3m x 0.2m x 0.2m
Mounting:	Marine grade stainless steel flange or pole/ spigot mounts available (Or to customer requirement)

L BAND 500-2000 MHz SHIPBOARD WHIP ANTENNA

Mounting Options



Flange Mount - Marine Grade Stainless Steel



Side or Post/ Spigot Mount - Marine Grade Stainless Steel

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ENVIRONMENTAL SPECIFICATIONS

The BP-ML-500-2000 is engineered and manufactured to be compliant with the following JSS 55555 Standards, as per table N1 of JSS 55555, covering the following tests.

- 1 Vibration Test
- 2 High Temperature (operational and storage)
- 3 Damp Heat
- 4 Low Temperature (operational and storage)
- 5 Drip Proof
- 6 Tropical Exposure
- 7 Mould Growth
- 8 Corrosion
- 9 Toppling
- 10 Bump Test
- 11 Shock or Impact test

L BAND 500-2000 MHz SHIPBOARD WHIP ANTENNA
Radiation Patterns

Note: These Patterns are derived with the antenna unencumbered by Ship superstructure or other nearby antennas.

