Australian manufactured in East Gippsland

ZBW-500700

Horizontally polarised broadband 'Batwing' Antenna

UHF 500-700 MHz

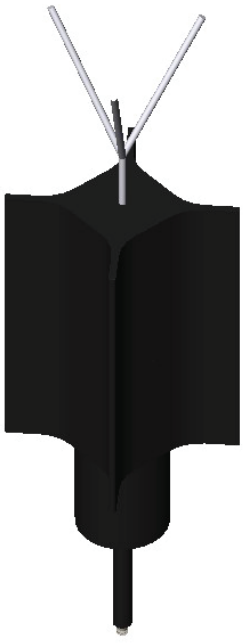
Build To Order

Our ZBW-500700 broadband UHF 'batwing' antenna provides low V.S.W.R. and genuine broadband coverage for both transmit and receive across the full UHF frequency range 500-700 MHz with a horizontal polarisation.

Mounting hardware, coaxial feeder cable, connectors and other installation accessories are all available separately.

SKU	ZBW-500700	ZBW-500700-N-F
Construction	Painted brass matching base/mount section, aluminium radiating 'batwings' and UV-stabilised ASA polymer 3D-printed radome. (or specify requirements)	Painted brass matching base/mount section, aluminium radiating 'batwings', UV-stabilised ASA polymer 3D-printed radome and 304-grade stainless steel tri-finger lightning finial.
Frequency range	500-700 MHz - UHF	
Bandwidth	Full frequency range stated - 200 MHz	
VSWR	1.5:1 - average ; 1.8:1 VSWR @ 700 MHz	
Tuning	Factory	
Gain	0 dBd - unity	
Maximum power	1kW / 1000 Watts	
Impedance	50 Ohms	
DC grounding	Yes	
Polarisation	Horizontal	
H Plane	90°	
E Plane	Omni	
Connector	7/16" DIN female in base of mount section, available with N-type on request	N-type female in base of mount section
Dimensions	Height: 900mm Radome Diameter: 310mm	Height: 1200mm Radome Diameter: 310mm Finial Diameter: 250mm
Mount section	25.4mm O.D.	
Weight	3.6kg	4.1kg
Projected area	0.107m	0.113m
Wind load at 160kph	16.425kg, 0.160kN	17.381kg, 0.169kN
Mounting hardware	Parallel: 2 x EB1-SS or 1 x UB2-SS Right-angle: 2 x RB8/RB8-L or 1 x UB3-SS Stand-off: 2 x PDC-S clamps	
Installation tools required	Adjustable spanner for mounting hardware securing. Self-amalgamating butyl rubber and uPVC tape for termination sealing.	





Tri-finger lightning finial configuration

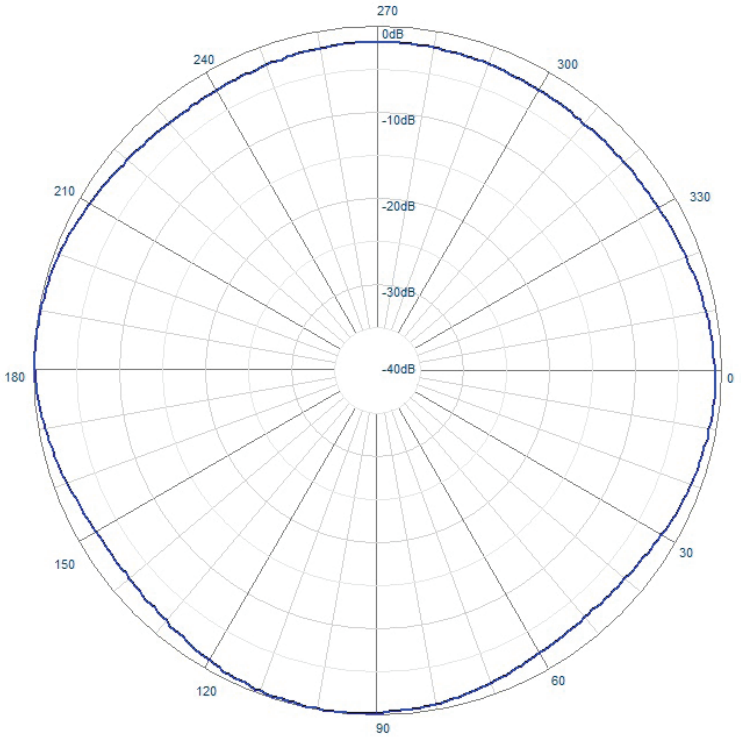
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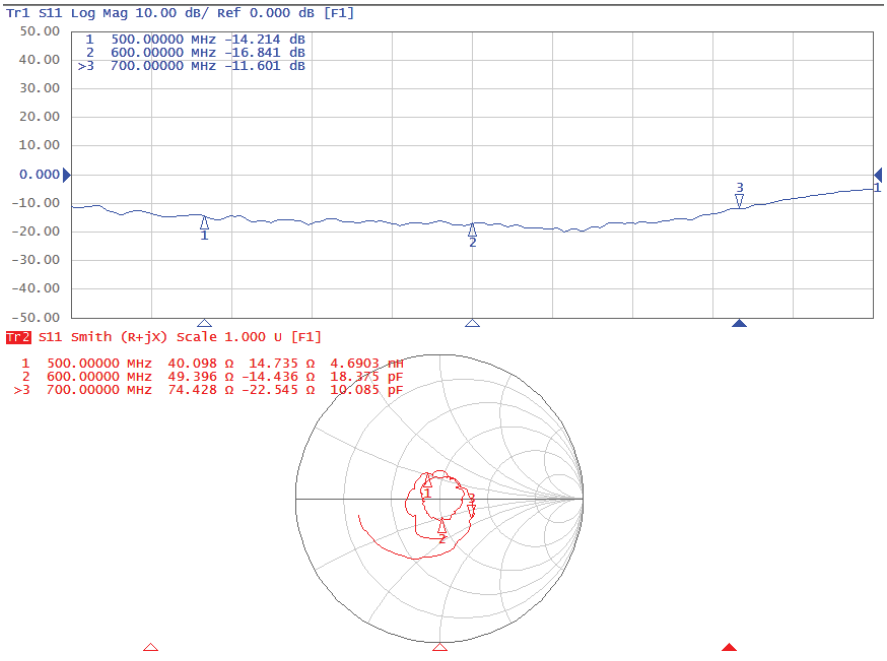
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Example radiation pattern



Typical VSWR

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Suitable mounting hardware



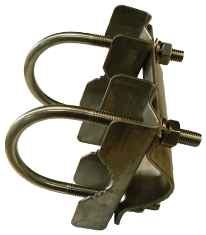
SKU: EB1-SS

2 units recommended

304 stainless steel parallel clamp

Boom: 20-40mm capability

Mount pole: 25-45mm capability

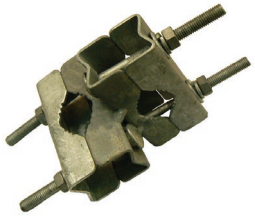


SKU: UB3-SS

304 stainless steel parallel clamp

Boom: 20-32mm capability

Mount pole: 20-50mm capability



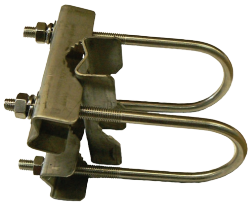
SKU: RB8

2 units recommended

Galvanised steel steel right-angle clamp

Boom: 20-50mm capability

Mount pole: 20-50mm capability



SKU: UB2-SS

304 stainless steel steel right-angle clamp

Boom: 20-50mm capability

Mount pole: 20-50mm capability



SKU: PDC-S

304 stainless steel steel offset clamp

Antenna: 25mm capability

Mount pole: 25-50mm capability

Suitable feeder coaxial cable and connectors



SKU: ZCG1250SF

1/2" super flexible helical shielded, foam dielectric coaxial cable

Available in per metre, 500m roll or alternatively request a custom cable assembly



SKU: NM1250SF

N-type male clamp connector for 1/2" super flexible, helical shielded coaxial cable

Tri-metal plated



SKU: ZCG1250

1/2" flexible, copper corrugated shielded, foam dielectric coaxial cable

SKU: ZCG1250-A - Air Dielectric

Available in per metre, 500m roll or alternatively request a custom cable assembly



SKU: NM1250

N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable

Tri-metal plated



SKU: LA-1792

Lightning surge protector/ arrestor, N-type female terminated both ends

40W P/R, 230V sparkover



SKU: LA-1793-2

Lightning surge protector/ arrestor, N-type female and N-type male terminated ends

200W P/R, 230V sparkover