



DVA-205BSS

Omni-directional binary dipole array

VHF TV/DAB Radio 174-230 MHz



The DVA-205BSS binary dipole arrays offers both an omni-directional radiation pattern and genuine broadband coverage across the entire VHF 174-230 MHz frequency range.

The array is therefore ideally suited for multiple frequency transmissions at highly populated sites.

Filtering, lightning protection, coaxial cable and other installation accessories are all available separately.

Construction	Fully-welded 304 stainless steel boom and dipoles - can be supplied in aluminium upon request
Frequency range	174-230 MHz - VHF
Bandwidth	Specify 5 MHz when ordering
VSWR	<1.5:1
Tuning	Factory
Gain	3 dBd
Maximum power	250 Watts
Polarisation	Vertical
H Plane	360° omni-directional, ± 0.5 dBd
Impedance	50 Ohms
DC grounding	Yes
Cable	1.0 metre UV rated RG142 - bottom exit from mount section can be manufactured with 2 cable tails for dual array
Connector	N-type female fitted to external cable assembly
Projected area	0.339m ²
Wind load at 160kph	41.034kg, 0.402kN
Height	2.5 metres
Mount section	304 stainless steel - 50.8mm x 300mm
Weight	Stainless steel - 20.0kg
Mounting hardware order separate	Parallel: 2 x UAM180L 40-75mm or UAM180UNI - 40-90mm Right-angle: 2 x UAM90L - 40-75mm or UAM90UNI - 40-90mm





New Product

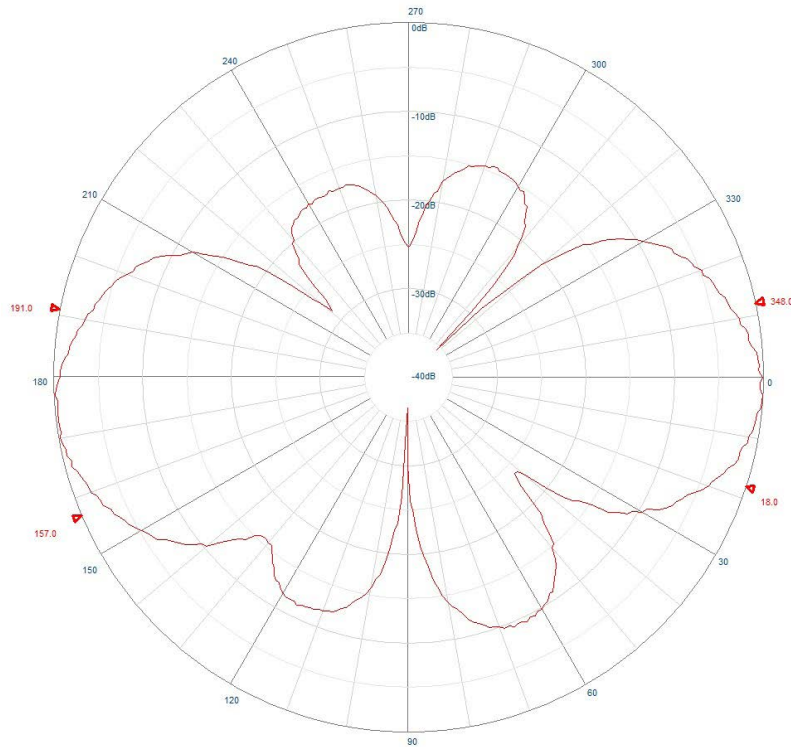
Australian
manufactured
in
East Gippsland

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Example radiation pattern



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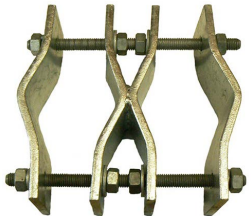
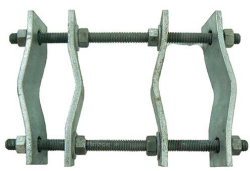
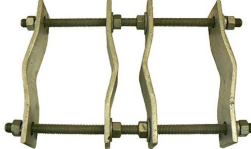
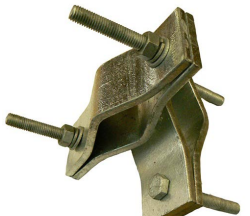

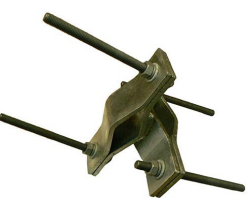
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Suitable mounting hardware

	<p>UAM180L - requires 2 Galvanised steel parallel clamp Boom: 40-75mm capability Mount pole: 40-75mm capability</p>		<p>UAM180UNI - requires 2 Galvanised steel large parallel clamp Boom: 40-70mm capability Mount pole: 40-90mm capability</p>
	<p>UAM180UNIL - requires 2 Galvanised steel extra large parallel clamp Boom: 40-90mm capability Mount pole: 60-115mm capability</p>		<p>UAM90L - requires 2 Galvanised steel right-angle clamp Boom: 40-75mm capability Mount pole: 40-75mm capability</p>
	<p>UAM90UNI - requires 2 Galvanised steel large right- angle clamp Boom: 40-70mm capability Mount pole: 40-90mm capability</p>		<p>UAM90LL - requires 2 Galvanised steel extra large right-angle clamp Boom: 60-115mm capability Mount pole: 60-115mm capability</p>

Suitable feeder coaxial cable

	<p>RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (* times microwave) P/N 7890 Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly</p>		<p>N-type male crimp connector for RU400 low loss, solid conductor P/N 8226 Tri-metal plated</p>
	<p>RU600 Solid copper conductor, low loss coaxial cable LMR-600™ equivalent (* times microwave) P/N 7890-3 Available in 500m roll or alternatively request a custom cable assembly</p>		<p>N-type male crimp connector for RU600 low loss, solid conductor P/N 8226-2 Tri-metal plated</p>
	<p>1/2" corrugated shielding, foam dielectric coaxial cable P/N ZCG1250 Available in per metre, 500m roll or alternatively request a custom cable assembly</p>		<p>N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable P/N NM1250 Tri-metal plated</p>