



DUA-4052-6 Series

Omnidirectional broadband UHF binary dipole array

UHF / TETRA / Land Mobile Radio 400-520 MHz



Our DUA-4052-5 binary dipole arrays offer both an omnidirectional radiation pattern and genuine broadband coverage across the entire UHF / TETRA / Land Mobile Radio (LMR) 400-520 MHz frequency range.



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

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

SKU	DUA-4052AL-6	DUA-4052SS-6
Construction	Single piece welded corrosion resistant aluminium	Single piece welded 304 grade stainless steel
Sets of dipoles	4 (8 dipoles)	
Frequency range	400-520 MHz - UHF, TETRA and LMR compatible	
Bandwidth	Full frequency range stated - 120 MHz	
VSWR	<1.5:1	
Tuning	Factory	
Gain	6 dBd	
Maximum power	500 Watts	
Polarisation	Vertical	
H Plane	360° omnidirectional, ± 0.5 dBd	
E Plane	20°	
Impedance	50 Ohms	
DC grounding	Yes	
Cable	1 metre UV rated RG142 - bottom exit from mount section	
Connector	N-type female fitted to cable tail or specify requirements - type 4.3-10 connector available	
Projected area	0.147m ²	
Wind load at 160kph	17.866kg, 0.175kN	
Height	3.2 metres	
Mount section area	48.4mm x 300mm	50.8mm x 300mm
Weight	10.2kg	18.0kg
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)	

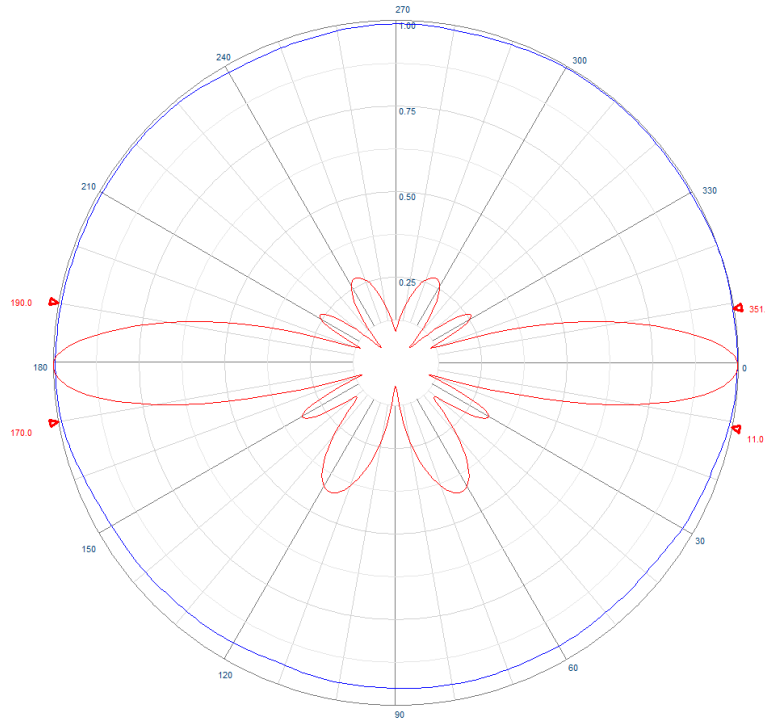




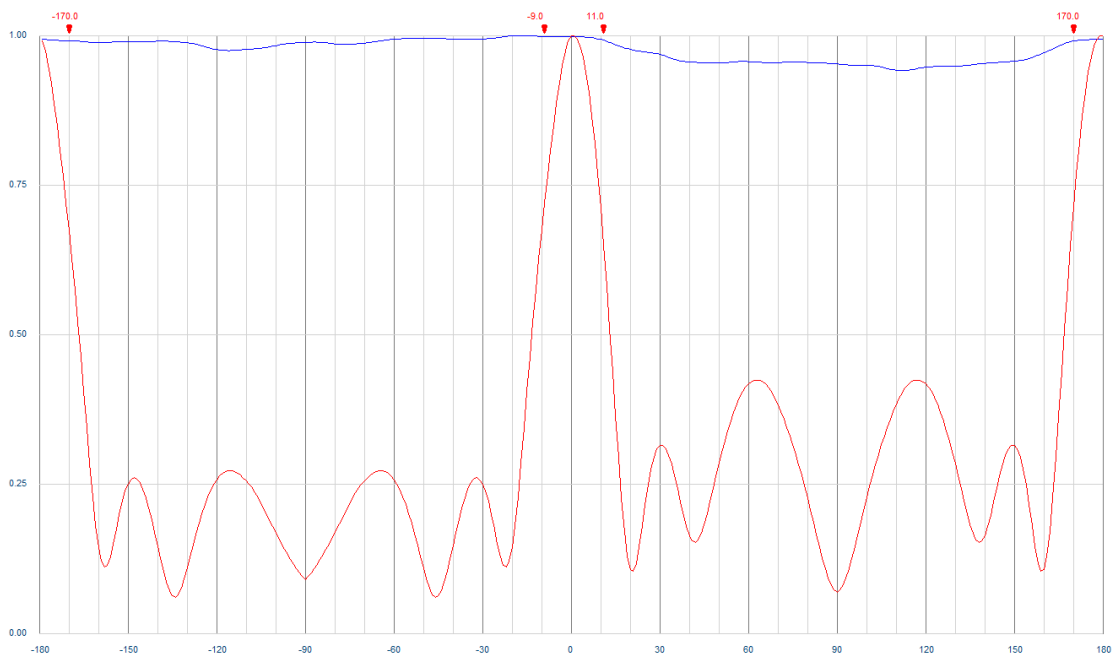
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Example radiation pattern - polar



Example radiation pattern - cartesian



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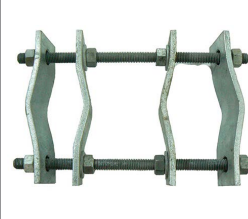
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Suitable mounting hardware



SKU: UAM180L
2 units recommended
Galvanised steel parallel clamp
Boom: 40-75mm capability
Mount pole: 40-75mm capability



SKU: UAM180UNI
2 units recommended
Galvanised steel large parallel clamp
Boom: 40-70mm capability
Mount pole: 40-90mm capability



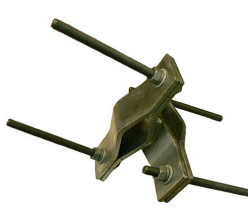
SKU: UAM180UNIL
2 units recommended
Galvanised steel extra large parallel clamp
Boom: 40-90mm capability
Mount pole: 60-115mm capability



SKU: UAM90L
2 units recommended
Galvanised steel right-angle clamp
Boom: 40-75mm capability
Mount pole: 40-75mm capability



SKU: UAM90UNI
2 units recommended
Galvanised steel large right-angle clamp
Boom: 40-70mm capability
Mount pole: 40-90mm capability



SKU: UAM90LL
2 units recommended
Galvanised steel extra large right-angle clamp
Boom: 60-115mm capability
Mount pole: 60-115mm capability

Suitable feeder coaxial cable



SKU: 7890
RU400 Solid copper conductor, low loss coaxial cable
CNT-400 / LMR-400™ equivalent
(* times microwave)
SKU: 7890-3 - RU400-UF ultra flexible
Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly



SKU: NM-8226
N-type male crimp connector for RU400 low loss, solid conductor
Tri-metal plated



SKU: 7890-3
RU600 Solid copper conductor, low loss coaxial cable
LMR-600™ equivalent
(* times microwave)
Available in 500m roll or alternatively request a custom cable assembly



SKU: NM-8226-2
N-type male crimp connector for RU600 low loss, solid conductor
Tri-metal plated



SKU: ZCG1250
1/2" corrugated shielding, foam dielectric coaxial cable
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