



## DUA-4052 Series

**Omnidirectional broadband UHF binary dipole array**

**UHF / TETRA / Land Mobile Radio 400-520 MHz**



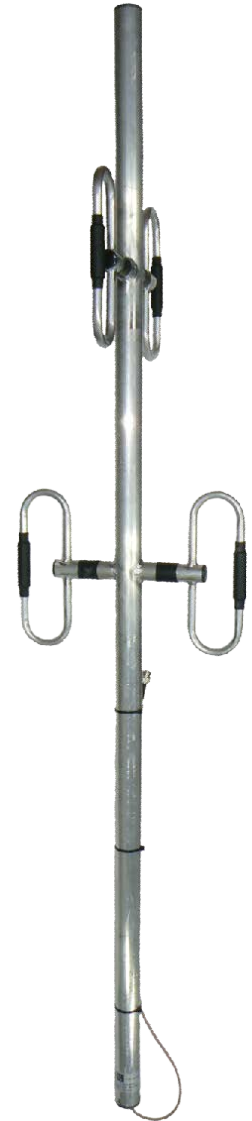
A binary dipole array offers both an omni-directional radiation pattern and genuine broadband coverage across the entire UHF / TETRA / Land Mobile Radio (LMR) frequency range.



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	DUA-4052SS*
Construction	Single piece corrosion resistant aluminium boom and dipoles	Single piece 304 grade stainless steel boom and dipoles
Sets of dipoles	2 (4 dipoles)	
Frequency range	400-520 MHz - UHF, TETRA, LMR and GRN compatible	
Bandwidth	Full frequency range stated - 120 MHz	
VSWR	<1.5:1	
Tuning	Factory	
Gain	3 dBd	
Maximum power	500 Watts	
Polarisation	Vertical	
H Plane	360° omnidirectional, ± 0.5 dBd	
E Plane	32°	
Impedance	50 Ohms	
DC grounding	Yes	
Cable	1.0 metre UV rated RG142 - bottom exit from mount section	
Connector	N-type female fitted to cable tail as standard or specify requirements - <a href="#">type 4.3-10 connector available</a>	
Projected area	0.093m <sup>2</sup>	
Wind load at 160kph	11.267kg, 0.110kN	
Height	2.0 metres	
Mount section area	48.4mm x 300mm	50.8mm x 300mm
Weight	5.1kg	10.0kg
Mounting hardware order separate	Parallel: 2 x UAM180L 40-75mm or UAM180UNI - 40-90mm capability Right-angle: 2 x UAM90L - 40-75mm or UAM90UNI - 40-90mm capability	



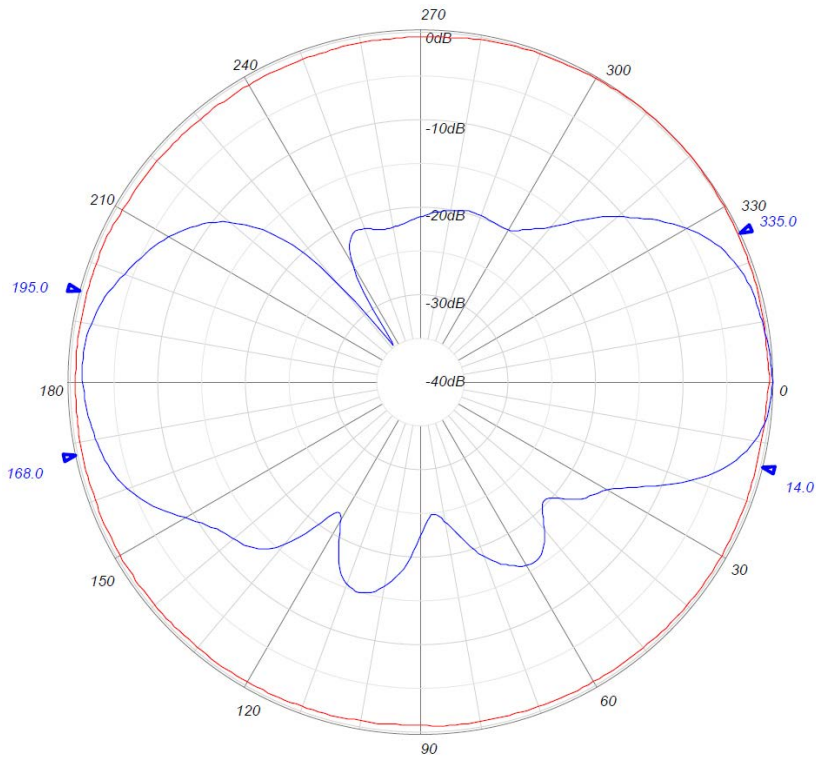


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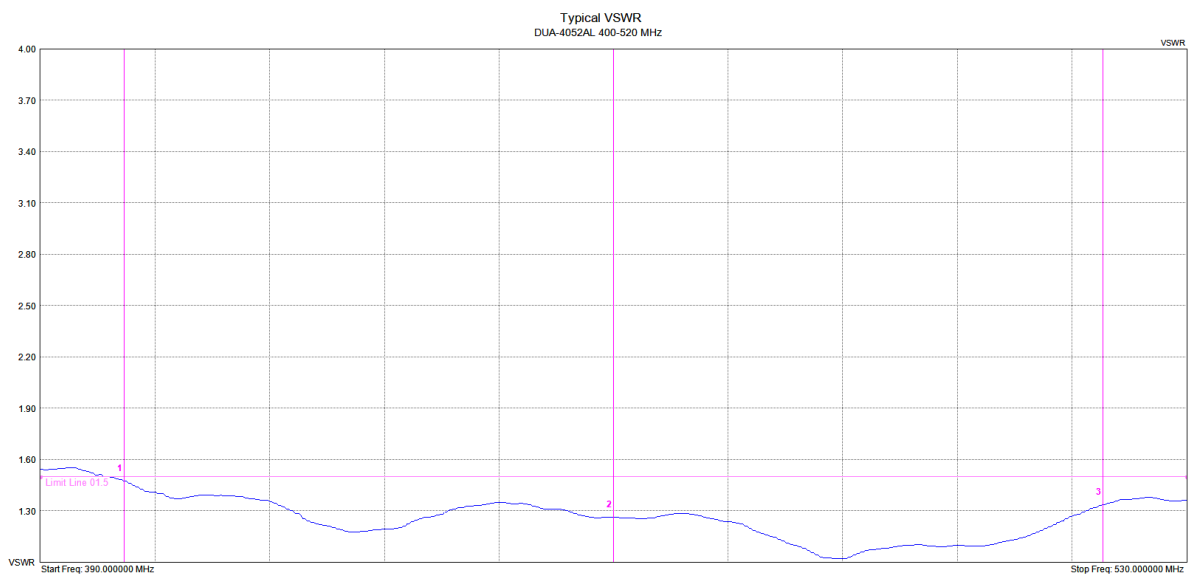
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 **In-stock  
Ready to  
Ship**  
\* Signifies build to  
order item



Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	400.210 MHz	1.47VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	460.000 MHz	1.28VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	510.761 MHz	1.34VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR





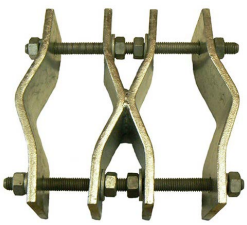
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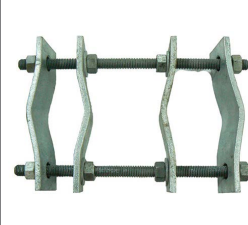
UHF / TETRA / Land Mobile Radio 400-520 MHz




### Suitable mounting hardware



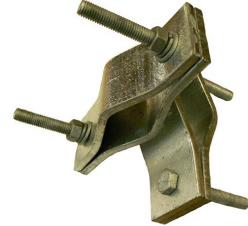
**SKU: UAM180L**  
2 units recommended  
Galvanised steel parallel clamp  
Boom: 40-75mm capability  
Mount pole: 40-75mm capability



**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