



DUA-4052 Series

UHF omnidirectional binary dipole array

UHF / TETRA / Land Mobile Radio 400-520 MHz



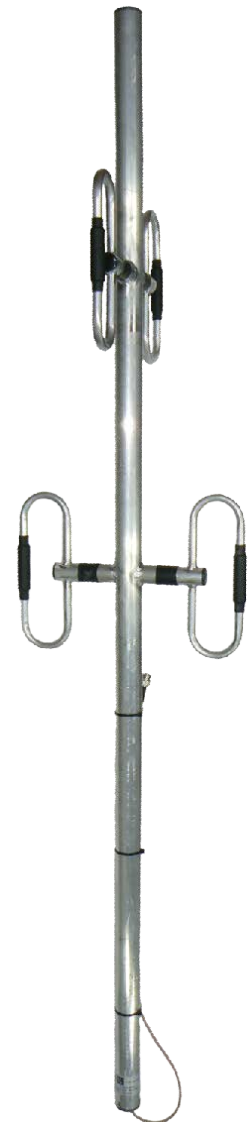
A binary dipole array offers both an omni-directional radiation pattern and genuine broadband coverage across the entire UHF / TETRA / Land Mobile Radio (LMR) frequency range.

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.



	DUA-4052-AL	DUA-4052-SS*
Construction	Fully-welded corrosion resistant aluminium	Fully-welded 304 grade stainless steel
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° omni-directional, ± 0.5 dBd	
E Plane	32°	
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 as standard or specify requirements	
Projected area	0.093m ²	
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	



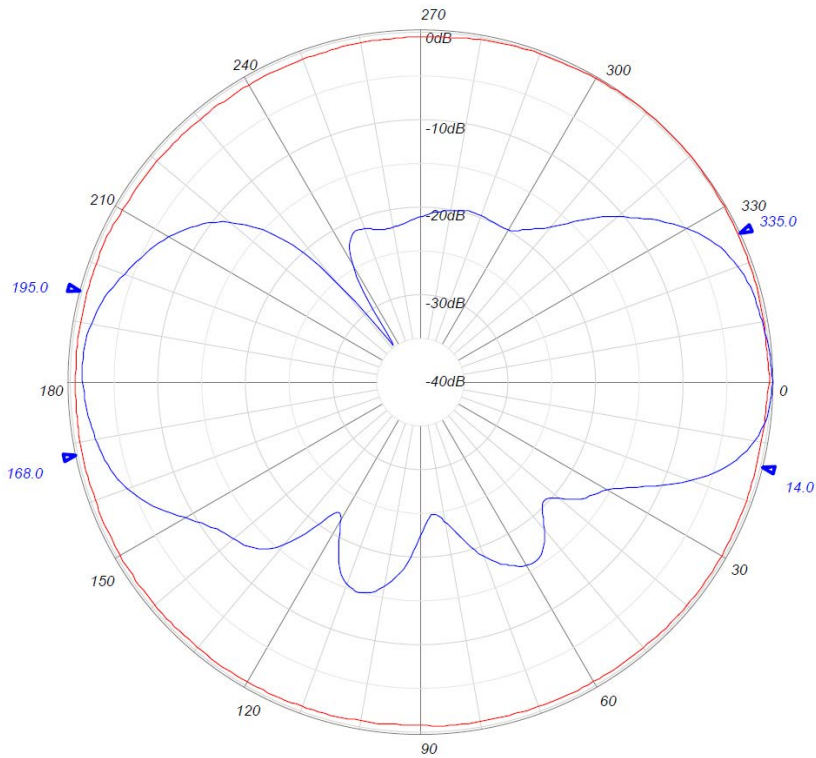


DUA-4052 Series

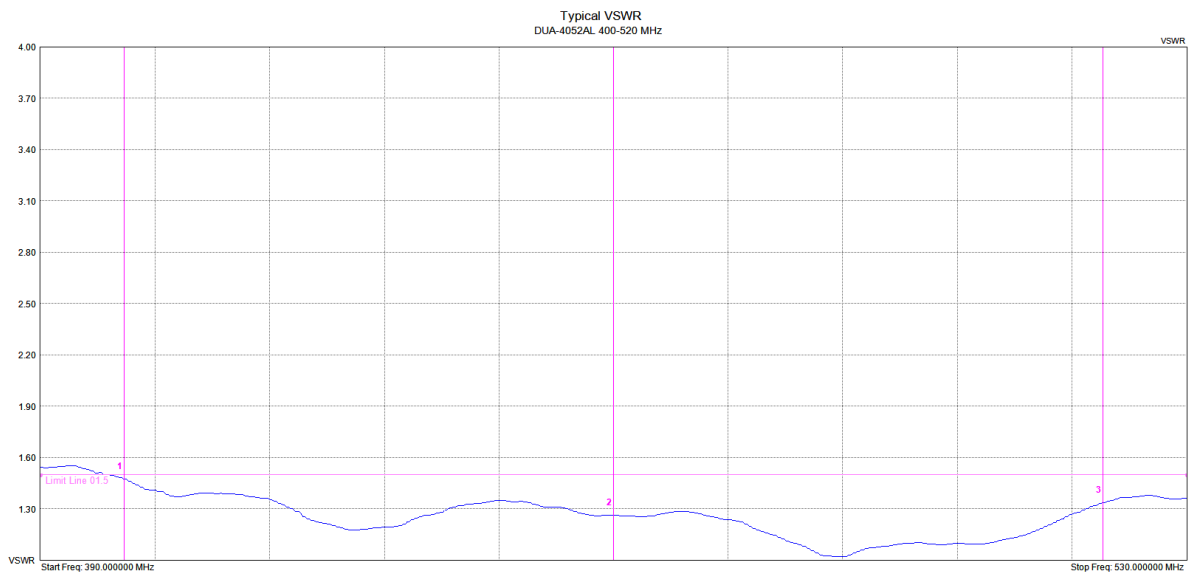
UHF omnidirectional binary dipole array

UHF / TETRA / Land Mobile Radio 400-520 MHz

**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





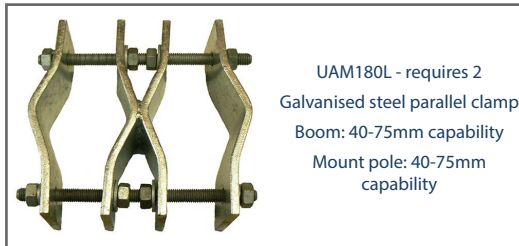
DUA-4052 Series

UHF omnidirectional binary dipole array

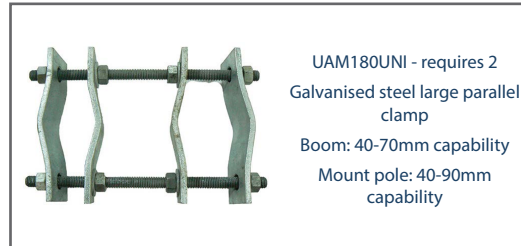
UHF / TETRA / Land Mobile Radio 400-520 MHz



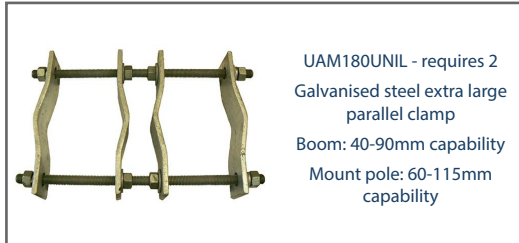
Suitable mounting hardware



UAM180L - requires 2
Galvanised steel parallel clamp
Boom: 40-75mm capability
Mount pole: 40-75mm
capability



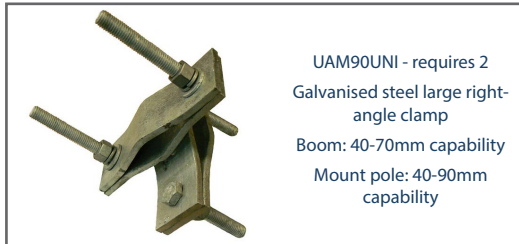
UAM180UNI - requires 2
Galvanised steel large parallel
clamp
Boom: 40-70mm capability
Mount pole: 40-90mm
capability



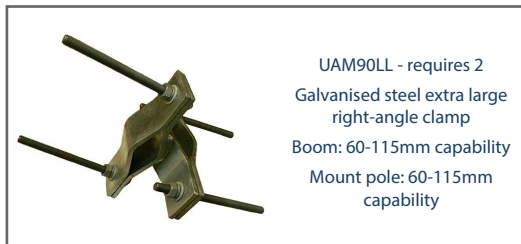
UAM180UNIL - requires 2
Galvanised steel extra large
parallel clamp
Boom: 40-90mm capability
Mount pole: 60-115mm
capability



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



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



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

Suitable feeder coaxial cable



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



N-type male crimp connector
for RU400 low loss, solid
conductor
P/N 8226
Tri-metal plated



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



N-type male crimp connector
for RU600 low loss, solid
conductor
P/N 8226-2
Tri-metal plated



1/2" corrugated shielding,
foam dielectric coaxial cable
P/N ZCG1250

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



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

P/N NM1250
Tri-metal plated