



## DUA-4052-6E Series

### Low PIM Broadband 4-stack elliptical UHF dipole array UHF / TE.T.RA / Land Mobile Radio 400-520 MHz



The DUA-4052-6E elliptical dipole array antennas offer an elliptical radiation pattern, genuine broadband coverage across 400-520 MHz and low PIM performance. The array is therefore ideally suited for multiple frequency transmissions at highly populated radio sites, where low PIM is critical.

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

SKU	DUA-4052AL-6E	DUA-4052SS-6E
Construction	Single piece fully-welded corrosion resistant aluminium	Single piece fully-welded 304 grade stainless steel
Sets of dipoles	4 (8 dipoles)	
Frequency range	400-520 MHz	
Bandwidth	Full frequency range stated - 120 MHz	
VSWR	<1.5:1	
Tuning	Factory	
Gain	6 dBd	
Maximum power	500 Watts	
PIM	< -150 dBic	-
Polarisation	Vertical	
Impedance	50 Ohms	
DC grounding	Yes Single 0.5m cable	
Cable	Single 0.5m cable - can be supplied in dual config.	Single 0.5m cable
Connector	Single 4.3-10 female as standard - available in dual terminations For legacy installation please request N-type female	
Projected area	0.147m <sup>2</sup>	
Wind load at 160kph	17.866kg, 0.175kN	
Height	3.2 metres	
Mount section	48.4mm x 300mm	50.8mm x 300mm
Weight	10.2kg	25kg
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)	





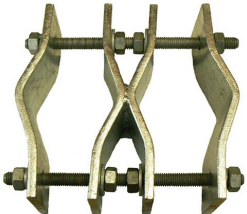
## DUA-4052-6E Series

4-stack elliptical dipole array

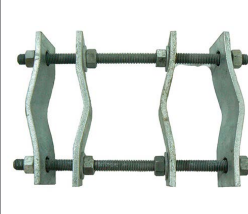
UHF / TE.T.RA / Land Mobile Radio 400-520 MHz




### Suitable mounting hardware



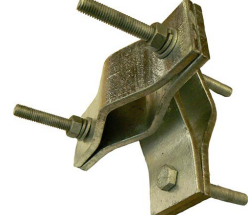
**SKU: UAM180L**  
2 units recommended  
Galvanised steel parallel clamp  
Boom: 40-75mm capability  
Mount pole: 40-75mm capability



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



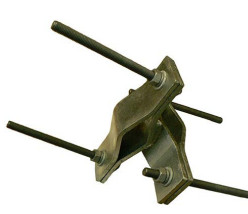
**SKU: UAM180UNIL**  
2 units recommended  
Galvanised steel extra large parallel clamp  
Boom: 40-90mm capability  
Mount pole: 60-115mm capability



**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