

B14-AS

Heavy-duty omni-directional broadband collinear Airband 118-137MHz

The B14-AS is a heavy-duty, broadband, unity gain collinear suitable for wide band channel capabilities for busy airports or military installation for Ground-to-Air communications. The B14-AS covers the entire Airband frequency within a robust construction, suitable for mounting to a tower or mast.

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

Construction	Ruggedised parallel white fibreglass radome, heavy-duty aluminium mount section, stainless steel sleeve, worm drive clamps and chrome plated termination
Frequency range	Airband 118-137MHz
Bandwidth	Full frequency range
VSWR	<1.7:1 at 119-137MHz and <1.9:1 at 118-119MHz
Gain	0dBd - unity
Maximum power	50 Watts
Impedance - nominal	50 Ohms
Polarisation	Vertical
DC grounding	No
Connector	N-type female in base of mount section - no cable
Height	2.0 metres
Weight	4.0kg
Mount section	400mm x 48mm - anodised aluminium
Projected area	0.066m ²
Wind load at 160kph	7.986kg, 0.078kN
Mounting hardware supplied	304 stainless steel split sleeve and 2 x worm drive clamps
Alternate mounting hardware order separate	Parallel: 2 x UAM180L or 2 x UAM180UNI Right-angle: 2 x UAM90L or 2 x UAM90UNI
Mounting position recommended	Mount as high on your tower, mast or structure as possible to ensure a true omni-directional pattern.
Installation tools required	Flat head screwdriver for worm drive clamp securing



B14-AS fitted with UAM180L clamps - order separate



N-type female in base of ruggedised aluminium mount section



Stainless steel mount sleeve with worm drive clamps, supplied.

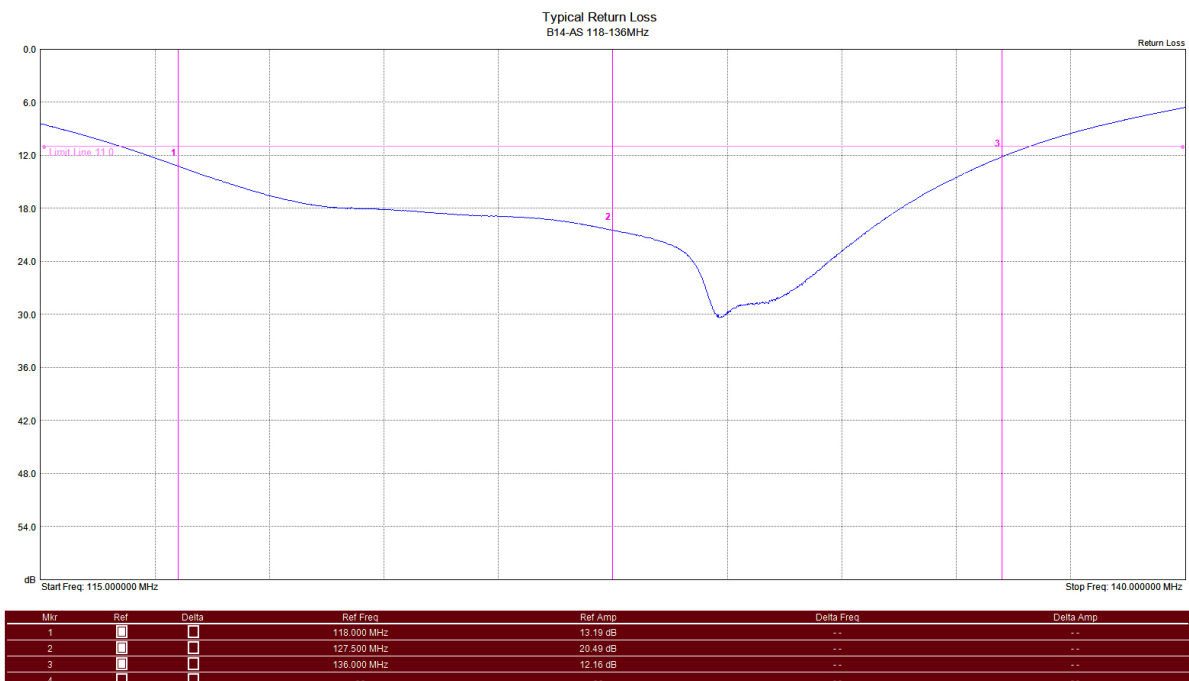


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Example radiation pattern



Typical Return Loss



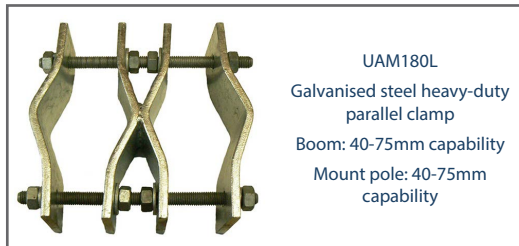


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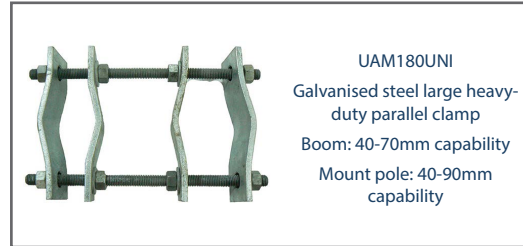
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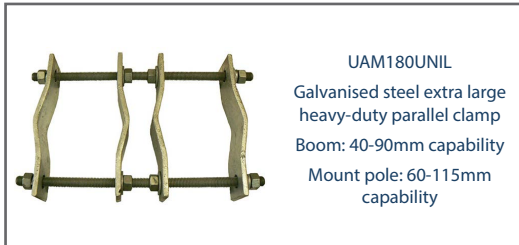
Suitable mounting hardware



UAM180L
Galvanised steel heavy-duty parallel clamp
Boom: 40-75mm capability
Mount pole: 40-75mm capability



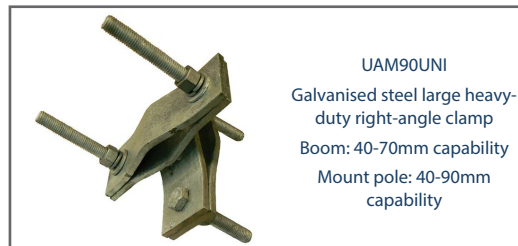
UAM180UNI
Galvanised steel large heavy-duty parallel clamp
Boom: 40-70mm capability
Mount pole: 40-90mm capability



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



UAM90L
Galvanised steel heavy-duty right-angle clamp
Boom: 40-75mm capability
Mount pole: 40-75mm capability



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

Suitable feeder coaxial cable and connector



RU400 Solid copper conductor, low loss coaxial cable
CNT-400 / LMR-400™ equivalent
(* times microwave)
P/N 7890
Available in 100m, 300m, 500m rolls or alternatively request a custom cable assembly



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



1/2" super flexible helical shielded, foam dielectric coaxial cable
P/N ZCG1250SF

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



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

P/N NM1250SF

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