

Section 2 Fixed Position





B19-SAR-164



Ruggedised omnidirectional broadband coaxial dipole antenna VHF high band communications 148-174 MHz

The B19-SAR-164 VHF broadband ruggedised coaxial dipole provides a high strength, high quality fixed position antenna solution. It is ideal for omni-directional low power transmit and receive applications up to 100 Watts. Ideal for tough conditions and high load environments.

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

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Construction	Ruggedised parallel fibreglass radome, 304 stainless steel mount section and external tri-metal plated termination
Frequency range	148-174 MHz - VHF high band
Maximum bandwidth	Full frequency range - 26 MHz
VSWR	<1.5:1 at centre and <1.8:1 on edges
Tuning	Factory
Gain	0 dBd - unity
Maximum power	100 Watts
Impedance - nominal	50 Ohms
DC grounding	Yes
Polarisation	Vertical
H Plane	360° omnidirectional, ± 0.5 dBd
E Plane	66°
Connector	N-type female in base of mount section - no cable
Height	1.9 metres
Weight	2.4kg
Projected area	0.065m²
Wind load at 160kph	7.857kg, 0.077kN
Mount section	480mm x 50.8mmø - 304 stainless steel
Mounting hardware order separate	Parallel: 2 x UAM180L or 2 x UAM180UNI Right-angle: 2 x UAM90L or 2 x UAM90UNI Side/wall mounting: 2 x NSM-223
Mounting position recommended	Mount as high as possible on your structure, mast or tower using the appropriate mounting clamps
Installation tools required	Adjustable spanners for mounting clamp attachment. Self-amalgamatin butyl rubber tape and uPVC electrical tape for termination sealing.





Aluminium protection cap also reduces unwanted vertical signal loss



N-type female connector jack in base of mount section

An inverted model is also available, see B19-SAR-164-INV





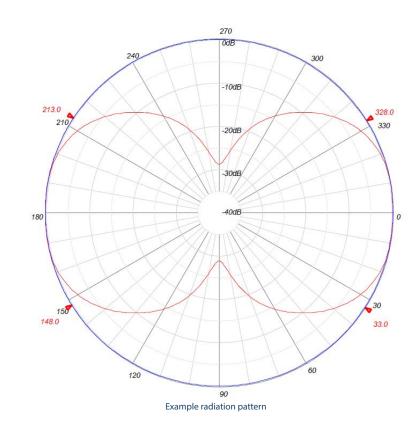
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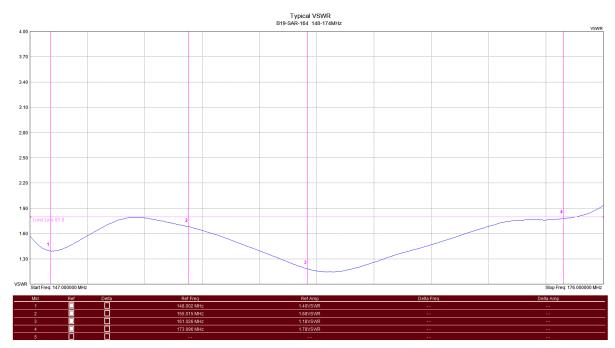


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Typical VSWR





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SKU: UAM180L

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



SKU: UAM180UNIL

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



SKU: UAM90UNI

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



SKU: UAM180UNI

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



SKU: UAM90L

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



SKU: UAM90LL

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



Year

anufacture Warranty



SKU: 7890

RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent

SKU: 7890-3 - RU400-UF ultra flexible

Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly



SKU: 7890-2

RU600 Solid copper conductor, low loss coaxial cable CNT-600 / I MR-600™ equivalent

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



SKU: ZCG1250

1/2" corrugated shielding, foam dielectric coaxial cable

Available in per metre, 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: NM-8226-2

N-type male crimp connector for RU600 low loss, solid conductor

Tri-metal plated



SKU: NM1250

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

Tri-metal plated