

# Section 2 of Fixed Position



### **Omni-directional VHF collinears**

### Light-duty to commerical and inverted



### VHF high band 140-174 MHz

These VHF omni-directional fixed position collinears are designed for commercial paging, trunking and general commincation systems operating within the VHF high band 140-174 MHz frequency range.

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

	G21	G22	G23	G25
Construction	White fibreglass radome, aluminium mount section and tri-metal plated termination - G23-INV inverted version available			
Service	Standard Ext. handle model G21-R	Commercial	Commercial 'Inverted available' <u>Ruggedised model</u> <u>G23-R</u>	Commercial
Frequency range	148-174 MHz - VHF high band			
Maximum bandwidth	Any 1%	Any 3%	Any 4%	Any 3%
/SWR	<1.5:1 across specified bandwidth			
Tuning	Factory			
Gain	3 dBd	6 dBd	3 dBd	4.5 dBd
Maximum power	250 Watts - or higher power ratings can be supplied upon request			
mpedance - nominal	50 Ohms			
DC grounding	Yes			
Polarisation	Vertical			
H Plane	$360^{\circ}$ omnidirectional, $\pm 0.5$ dB			
E Plane	32°	16°	32°	26°
Connector	N-type female in base of mount section - no cable			
Passive IM 3rd order (2x20w)	<120dBc			
Height	3.5 metres	5.6 metres	3.5 metres	4.5 metres
Weight	4.0kg	13.0kg	4.5kg	6.5kg
Projected area	0.100m <sup>2</sup>	0.17m <sup>2</sup>	0.113m <sup>2</sup>	0.158m <sup>2</sup>
Wind load at 160kph	12.079.0kg, 0.118kN	20.538kg, 0.201kN	13.64kg, 0.134kN	19.158kg, 0.188kN
Mount section	500mm x 40mm 595mm x 48.4mm			
Mounting hardware order separate	Parallel: 2 x UAM180L or UAM180UNI or Right-angle: 2 x UAM90L or UAM90UNI			



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# Section 2 – Fixed Position

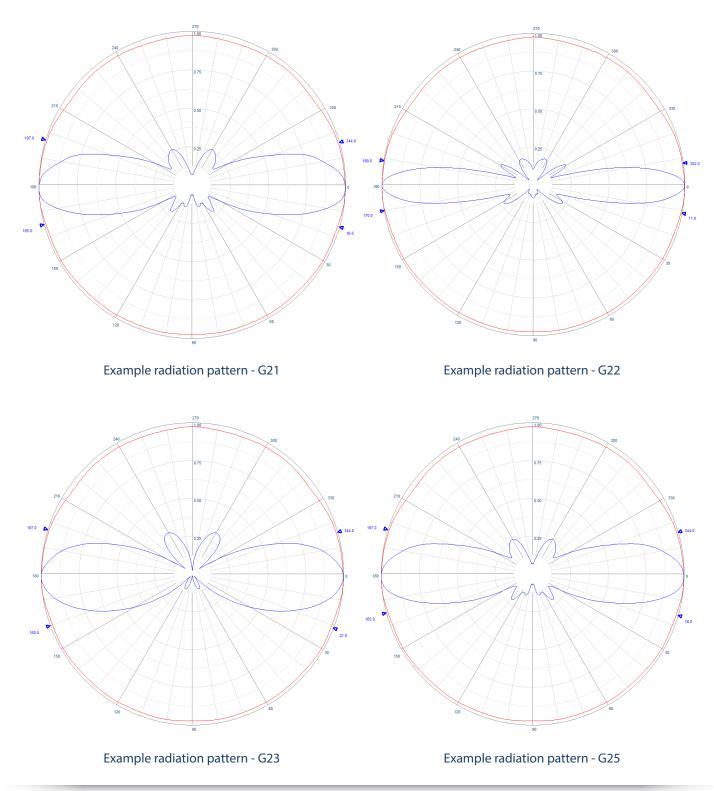


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Specifications are subject to change vithout prior notice



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#### Suitable mounting hardware UAM180L UAM180UNI Galvanised steel heavy-duty Galvanised steel large heavyparallel clamp duty parallel clamp Boom: 40-75mm capability Boom: 40-70mm capability Mount pole: 40-75mm Mount pole: 40-90mm capability capability UAM180UNIL UAM90L Galvanised steel extra large Galvanised steel heavy-duty heavy-duty parallel clamp right-angle clamp Boom: 40-90mm capability Boom: 40-75mm capability Mount pole: 60-115mm Mount pole: 40-75mm capability capability UAM90UNI UAM90LL Galvanised steel large heavy-Galvanised steel extra large duty right-angle clamp heavy-duty right-angle clamp Boom: 40-70mm capability Boom: 60-115mm capability Mount pole: 40-90mm Mount pole: 60-115mm capability capability Suitable feeder coaxial cable and connectors RU400 Solid copper conductor, N-type male crimp connector low loss coaxial cable for RU400 low loss, solid CNT-400 / LMR-400™ equivalent conductor (™ times mi P/N 7890 P/N 8226 Available in 100m , 300m, 500m roll or alternatively request a custom cable Tri-metal plated assembly 1/2" super flexible helical N-type male clamp style plug shielded, foam dielectric connector for 1/2" helical shielded, foam dielectric, super coaxial cable flexible cable P/N ZCG1250SF P/N NM1250SF Available in per metre, 500m roll or alternatively request a custom cable assembly Tri-metal plated N-type male clamp connector 1/2" corrugated shielding, for 1/2" flexible, corrugated foam dielectric coaxial cable shielded, coaxial cable P/N ZCG1250 P/N NM1250 Available in per metre, 500m roll or alternatively request a Tri-metal plated custom cable assembly

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