



G35 Series

Omnidirectional custom frequency UHF collinear

UHF 300-400 MHz



The G35 series of omni-directional fixed position collinears are designed for commercial paging, trunking and general communication systems operating within the UHF 300-400 MHz frequency range.

The G35-R is the ruggedised and P.I.M. rated model.

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

SKU	G35	G35-R
Construction	White fibreglass radome, aluminium mount section and external termination	
Frequency range	300-400 MHz - UHF, TETRA and LMR compatible	
Maximum bandwidth	Specify any 5% or Transmit and Receive when ordering	
VSWR	<1.5:1 VSWR across specified bandwidth	
Tuning	Factory	
Gain	6 dBd	
Maximum power	250 Watts	
Impedance - nominal	50 Ohms	
DC grounding	Yes	
Polarisation	Vertical	
H Plane	360° omnidirectional, ± 0.5 dBd	
E Plane	20°	
Connector	N-type female in base of mount section	7/16" DIN female in base of mount section
Height at 300MHz	2.9 metres - higher frequencies, height will reduced	
Weight	3.0kg	
Projected area	0.105m ²	
Wind load at 160kph	12.74kg, 0.125kN	
Mount section	500mm x 40mm - anodised aluminium	
Mounting hardware order separate	Parallel: 2 x UAM180L or UAM180UNI Right-angle: 2 x UAM90L or UAM90UNI	



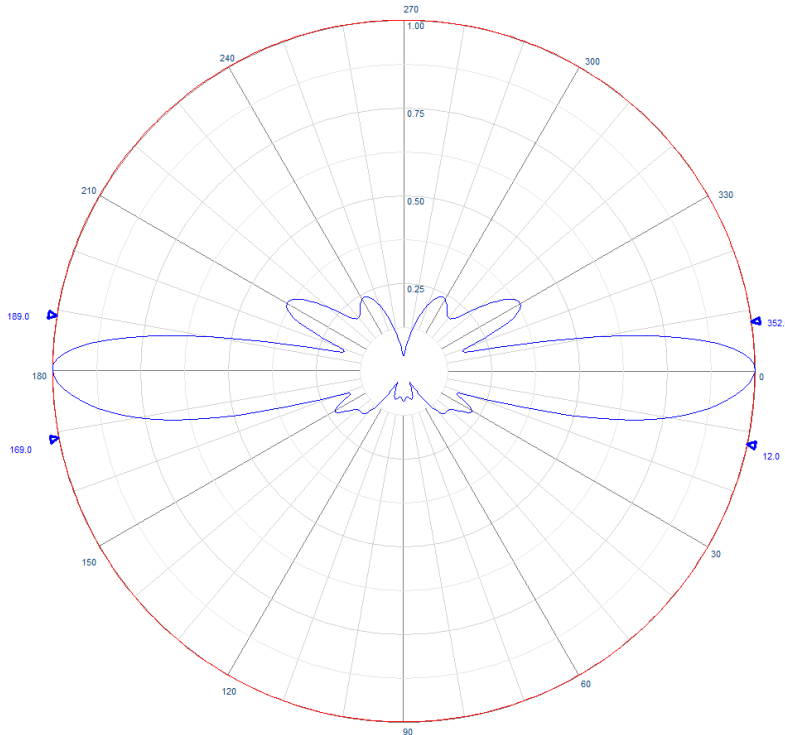
N-type female fitted at base of mount section of G35 model



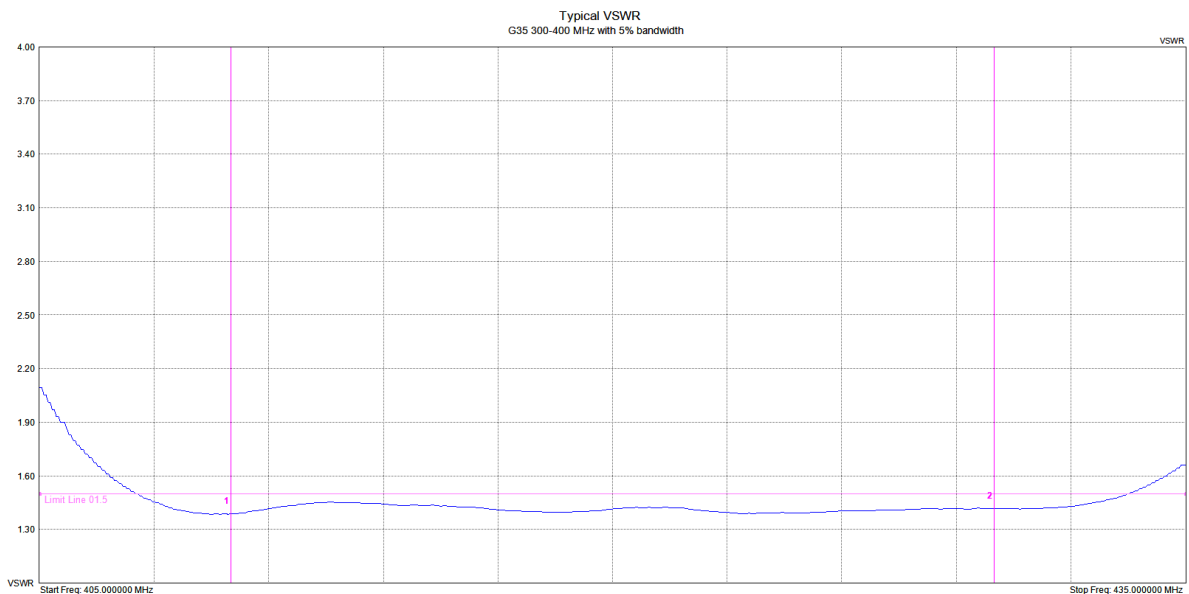
G35 Series

Omnidirectional custom frequency UHF collinear

UHF 300-400 MHz



Example radiation pattern



Mir	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	410.000 MHz	1.39VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	430.000 MHz	1.42VSWR	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR



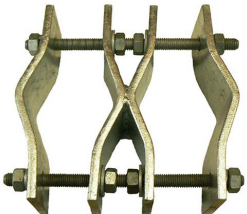
G35 Series

Omnidirectional custom frequency UHF collinear

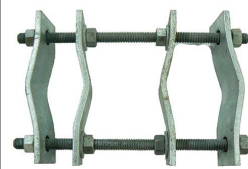
UHF 300-400 MHz



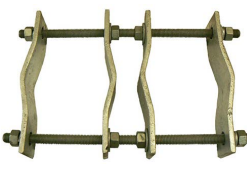
Suitable mounting hardware



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: 716DINM400
 7/16" DIN male clamp connector



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
SKU: 716DINM1250
 7/16" DIN male clamp connector