



MGP-38700N

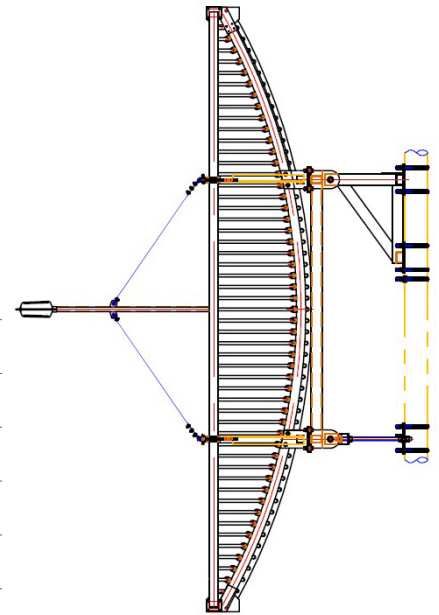
Highly directional UHF Grid-Pack point-to-point STL Link UHF 710-790 MHz



The MGP-38700N high gain microwave link grid pack antenna provides broad bandwidth across the full UHF frequency range 710-790 MHz. The highly directional narrow radiation pattern with minimal side lobes makes this grid pack a perfect choice for use as a point-to-point link.

Coaxial feeder cable, connectors and other installation accessories are all available separately.

Construction	Multi-piece welded corrosion resistant aluminium parabolic rear screen, launcher support stay assembly, rear access detachable launcher unit with external coaxial cable and type 4.3-10 connector
Frequency range	710-790 MHz - UHF
Bandwidth	Full frequency range stated - 80 MHz
VSWR	<1.5:1
Tuning	Factory
Gain	27 dBi - mid band
Maximum power	100 Watts
Impedance	50 Ohms
DC grounding	Yes
Polarisation	Mount horizontal or vertical as required
H Plane	7.5°
E Plane	8.5°
Passive Intermodulation (2 x 20W carrier)	>-150dBc
Front-to-back ratio	30dB
Internal loss	0.8dB
Connector	Type 4.3-10 female fitted to 500mm external cable
Dish dimensions	3.6m (12') x 3.4m x 568mm depth - assembled
Weight	110kg - including mounting
Projected area	2.6m ²
Wind load at 160kph	380kg, 3.7kN
Mounting hardware	tilt adjustable rear mounting brackets and bracing strut - supplied
Warranty	2 Years



Detachable launcher unit with high tension support cable stays



Heavy-duty tilt adjustable rear mount assembly

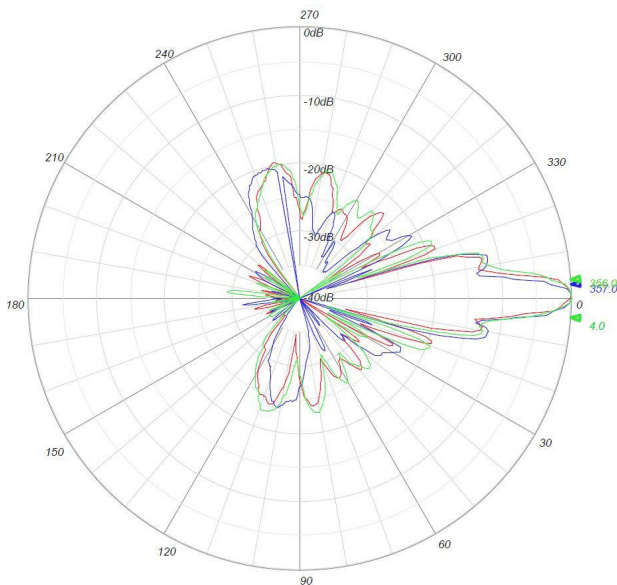


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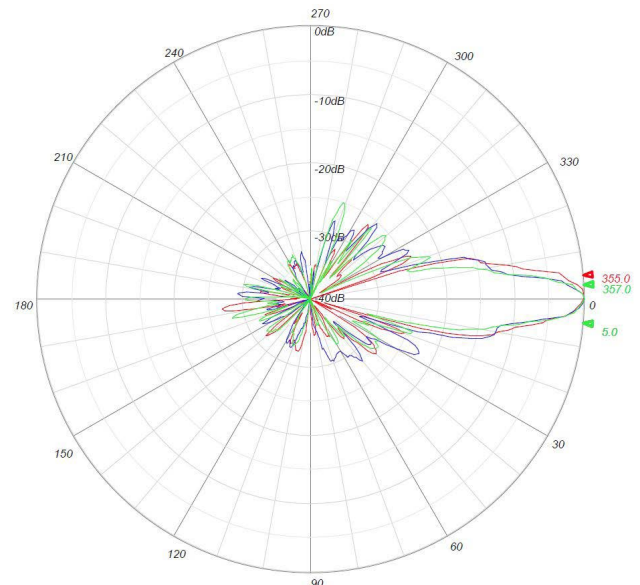
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Typical return loss performance



Example radiation pattern for MGP-38700N - Azimuth



Example radiation pattern for MGP-38700N - Elevation