

MGP Series

Mini Grid-Pack Point-to-Point STL Link Antennas

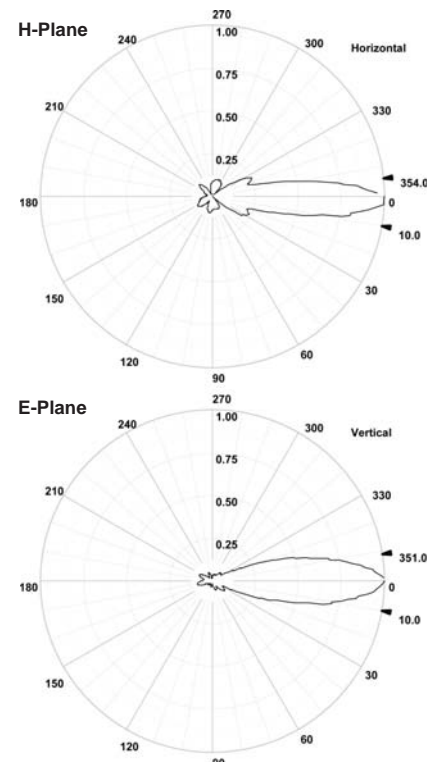
The MGP series of UHF mini grid-packs provide an exceptionally broad bandwidth with a highly directional narrow radiation pattern with minimal side lobes.

This makes a grid-pack the best choice for use as a point-to-point STL broadcast studio to transmitter link.

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



| Specifications | MGP-4650N | MGP-4750N | MGP-4850N |
|----------------------|--|---------------------|---------------------|
| Construction | Aluminium | Aluminium | Aluminium |
| Frequency Range | 570-670MHz | 700-820MHz | 820-960MHz |
| Bandwidth | Full band | Full band | Full band |
| Return Loss, VSWR | Better than -15dB, 1.5:1 across full band | | |
| Tuning | Factory | Factory | Factory |
| Gain (mid band) | 14.8 dBi | 16.6 dBi | 18.5 dBi |
| H Plane | 22° | 19° | 16° |
| E Plane | 23° | 22° | 20° |
| Front-to-Back Ratio | 18 dB | 20 dB | 22 dB |
| Maximum Power | 100 Watts | 100 Watts | 100 Watts |
| Impedance | 50 Ohms | 50 Ohms | 50 Ohms |
| DC Grounding | Yes | Yes | Yes |
| Polarisation | Mount Horizontal or Vertical as required | | |
| Cable Tail | 400mm RU400 low loss | | |
| Connector (fitted) | N-female | N-female | N-female |
| Dish Dimensions | 1.2 metres x 1.3 metres (assembled) | | |
| Weight | 12.5Kg | 12.5Kg | 12.5Kg |
| Projected Area | 0.245m ² | 0.245m ² | 0.245m ² |
| Wind Load at 160kph | 29.673Kg, 0.291kN | | |
| Mounting Accessories | U-bolts (50-75mm) (supplied) | | |
| Warranty | 2 Years | 2 Years | 2 Years |



Sample patterns at 850 MHz