

**GRID ANTENNAS** Wireless broadband grid antennas with passive feed for point to point or multipoint applications

**2150 - 2686 MHz**      GA2115M/F    GA2119M/F    GA2121M/F    GA2124M/F    GA2139M/F

**Electrical Data**

|                        |               |               |               |               |               |
|------------------------|---------------|---------------|---------------|---------------|---------------|
| Gain (dBi)             | 15            | 19            | 21            | 24            | 26.5          |
| Front-Back Ratio (dBc) | <19           | <22           | <23           | <24           | <33           |
| Return Loss (dB)       | 10            | 10            | 10            | 10            | 10            |
| VSWR (typical)         | 1.5 or less   | 1.5 or less   | 1.5 or less   | 1.5 or less   | 1.5 or less   |
| Beamwidth              | 21H 19V       | 16H 11V       | 12            | 8             | 9.3           |
| Windload (lbs)         | 8             | 16            | 22            | 40            | pdf data      |
| Maximum Power          | 200 Watts     | 200 Watts     | 200 Watts     | 200 Watts     | 200 Watts     |
| Lightning Protection   | Direct Ground | Direct Ground | Direct Ground | Direct Ground | Direct Ground |
| Input Impedance        | 50 Ohms       | 50 Ohms       | 50 Ohms       | 50 Ohms       | 50 Ohms       |
| Connector Interface    | N Type        | N Type        | N Type        | N Type        | N Type        |
| Polarization           | Vert or Hor   | Vert or Hor   | Vert or Hor   | Vert or Hor   | Vert or Hor   |

**Construction**

|                  |  |
|------------------|--|
| Grid Reflectors  | Zinc plated cold rolled steel with polyester powder coat   |
| Passive Feeds    | Ultrasonic weld on UV stabilized ABS Plastic               |
| Connector/Cable  | High grade microwave cable with male or female N connector |
| Install Hardware | Galvanized steel brackets with stainless steel hardware    |

**PDF Data - File Name**

- Radiation Patterns
- Installation Procedure
- Photograph
- Windload Calculations

**Packaging Data**

Grid Antennas include

|                  |             |             |             |             |          |
|------------------|-------------|-------------|-------------|-------------|----------|
| Grid Reflector   | 15Rectangle | 19Rectangle | 21Rectangle | 24Rectangle | 39Round  |
| Passive Feed     | F2100M/F    | F2100M/F    | F2100M/F    | F2100M/F    | F2100M/F |
| Extension Tube   | X-15RE      | X-19RE      | X-21RE      | X-24RE      | X-39R    |
| Install Hardware | HK-1        | HK-1        | HK-2        | HK-2        | HK-2     |