



**Contact:**

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**GRID ANTENNAS**

Wireless broadband grid antennas with passive feed for point to point, backhaul, or multipoint applications

**2400 - 2483 MHZ**                      GA2415M/F      GA2419M/F      GA2421M/F      GA2424M/F      GA2439M/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

**Physical Data**

Length (inches)	20	26	32	34	39
Width (inches)	16	23	23	28	39
Height (inches)	11	11	11	11	11
Weight (pounds)	2	3	4	6	11

**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