



APPLICATIONS

- IEEE 802.11b/g/n Wireless LAN
- Point-to-point wireless links
- Broadband wireless access
- Industrial wireless communication
- Telemetry systems
- Wireless video transmission
- Amateur Radio (2400–2450 MHz, 13 cm band)
- Amateur Television (ATV)
- Educational and laboratory applications

MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Reflector	Steel Grid Reflector
Surface Finish	Zinc plated with yellow chromate
Feed Element	Half-wave Dipole
Mounting	Mast Mount
Mast Diameter	30 – 60 mm
Wind Survival	160 km/h
Operating Temperature	-40 °C to +70 °C
Weight	≈ 1.1 kg
Dimensions (W × H × D)	560 × 400 × 230 mm

FEATURES

- High gain 19 dBi
- Frequency range 2400–2500 MHz
- High front-to-back ratio
- Integrated dipole feed
- Low wind loading
- Lightweight construction
- Zinc-plated steel reflector with yellow chromate finish
- Corrosion resistant
- Vertical or horizontal polarization
- Easy mast installation
- N Female connector

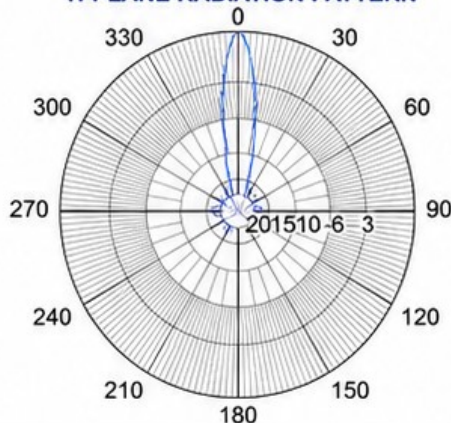
ELECTRICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Range	2400 – 2500 MHz
Gain	19 dBi
Polarization	Vertical or Horizontal
VSWR	≤ 1.5
Input Impedance	50 Ω nominal
Front-to-Back Ratio	> 25 dB
3 dB Beamwidth (H-plane)	≈ 20°
3 dB Beamwidth (E-plane)	≈ 18°
Connector	N Female
Maximum Input Power	10 W
Lightning Protection	DC Ground

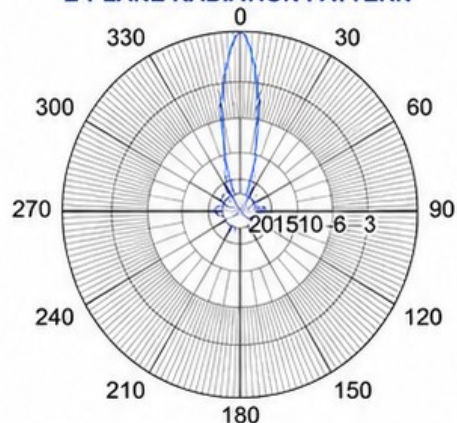
ORDERING INFORMATION

MODEL	DESCRIPTION
UIG219.10	2.4 GHz Directional Grid Antenna, 19 dBi, N Female

H-PLANE RADIATION PATTERN



E-PLANE RADIATION PATTERN



Scale: dBi