



### APPLICATIONS

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

### MECHANICAL SPECIFICATIONS

| PARAMETER              | SPECIFICATION      |
|------------------------|--------------------|
| Radiator               | Planar Patch       |
| Radome Material        | ABS, UV Resistant  |
| Mounting               | Mast or Wall Mount |
| Wind Survival          | 160 km/h           |
| Operating Temperature  | -40 °C to +70 °C   |
| Weight                 | ≈ 0.8 kg           |
| Dimensions (W × H × D) | 300 × 300 × 30 mm  |

### FEATURES

- High gain 17 dBi
- Frequency range 2400–2500 MHz
- High front-to-back ratio
- Low VSWR
- Lightweight and low profile
- UV resistant radome
- Vertical or horizontal polarization
- Easy wall or mast mounting
- N Female connector

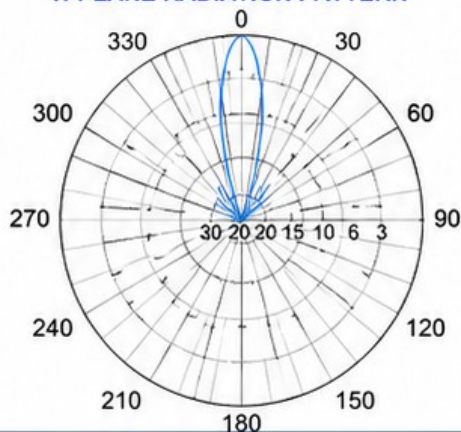
### ELECTRICAL SPECIFICATIONS

| PARAMETER                | SPECIFICATION          |
|--------------------------|------------------------|
| Frequency Range          | 2400 – 2500 MHz        |
| Gain                     | 17 dBi                 |
| Polarization             | Vertical or Horizontal |
| VSWR                     | ≤ 1.5                  |
| Input Impedance          | 50 Ω nominal           |
| Front-to-Back Ratio      | > 25 dB                |
| 3 dB Beamwidth (H-plane) | ≈ 30°                  |
| 3 dB Beamwidth (E-plane) | ≈ 30°                  |
| Connector                | N Female               |
| Maximum Input Power      | 10 W                   |
| Lightning Protection     | DC Ground              |

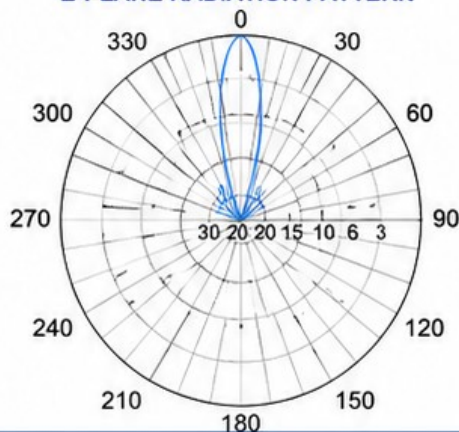
### ORDERING INFORMATION

| MODEL    | DESCRIPTION                                          |
|----------|------------------------------------------------------|
| UIP317.3 | 2.4 GHz Directional Planar Antenna, 17 dBi, N Female |

H-PLANE RADIATION PATTERN



E-PLANE RADIATION PATTERN



Scale: dBi