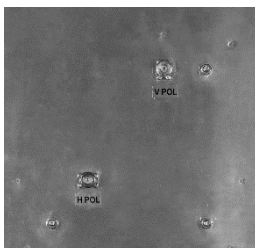


Model: ARC-PD5823C01
5GHz 13dBi Standalone Dual Polarity Flat Panel Antenna



Description

The ARC Wireless ARC-PD5823C01 is a professional high gain, dual polarized, outdoor rated flat panel antenna designed and optimized for use in the 5 GHz frequency band. This innovative antenna has two N-type female ports, one for horizontal polarization and the other for vertical polarization, within the design of a single antenna package. This antenna is designed to work with any 5GHz AP platform.

The construction of the ARC-PD5823C01 features a rugged UV resistant and stabilized polymer radome giving it long lasting durability in outdoor environments. The antenna is supplied with a robust articulating mounting bracket allowing the antenna to be mounted to a wall or pole.

Features

- High performance design
- Excellent external antenna for any 5GHz AP
- Low profile and compact size
- Engineered for reliability
- Lightweight design
- High isolation for ideal MIMO performance

Applications

- 5GHz ISM and U-NII bands
- Wireless Internet Provider (WISP)
- Point-to-Point (PtP)
- IEEE 802.11 5GHz

Electrical Specifications

| | |
|---------------------------------|-----------------------------|
| Frequency Range MHz | 4940 - 5875 |
| Gain, Typ/Max dBi | 22.5 / 24.2 |
| Polarization | Vert & Hor or +/- 45° Slant |
| Horizontal HPBW (-3dB) Degree | 8 |
| Vertical HPBW (-3dB) Degree | 8 |
| Electrical Downtilt Degree | N/A |
| Front-to-Back Ratio dB | > 40 |
| Cross-polarization Ratio dB | > 30 |
| VSWR, Typ/Max | 1.5:1 / 1.7:1 |
| Return Loss, Typ/Max dB | 14 / 11.5 |
| Port-to-Port Isolation dB | < -40 |
| Electrical Grounding | DC Ground |
| Input Power, Max W | 30 |
| Impedance Ohms | 50 |

Mechanical Specifications

| | |
|---------------------------------|-----------------------------|
| RF Connector Type | N-type Male |
| RF Connector Quantity | 2 |
| RF Connection Position | Back |
| Radome Material | UV ABS |
| Radome Color | Gray |
| Ingress Protection | IP66 NEMA 4 |
| Wind Load, Frontal MPH/(km/h) | 41 ft/lb (182N) @ 100 (160) |
| Wind Speed, Max MPH/(km/h) | 125 / 201 |
| Temperature Range F°/(C°) | -40 to +150 / (-40 to +60) |

Bracket Specifications

| | |
|----------------------------------|-----------------------------|
| Material Type | Zinc Plated Steel |
| Mechanical Tilt Degree | +/- 25 |
| Mounting Type | Pole Mount |
| Mounting Pole Diameter in (mm) | 0.75 to 1.75 (19.0 to 44.5) |

Antenna Dimensions

| | |
|--------------------------------|------------|
| Length in (mm) | 15.3 (389) |
| Width in (mm) | 15.3 (389) |
| Depth in (mm) | 1.2 (30.5) |
| Weight, with Bracket lb (kg) | 3.5 (1.6) |

Packaging Specifications

| | |
|------------------|---------------|
| Package Quantity | 10 per Carton |
| Length in (mm) | 31.5 (800) |
| Width in (mm) | 17.5 (445) |
| Depth in (mm) | 17.7 (450) |
| Weight lb (kg) | 38.5 (17.5) |

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