

Outdoor Single-Polarized Panel Antenna

# CRF-DA-5725-5850MHz-16dBi

| | |
|---|---|
| Frequency Range<br>**5725 - 5850 MHz** | Input Connector Type<br>**N-Female** |
| Gain<br>**16 ±1 dBi** | Dimensions<br>**600 × 160 × 80 mm** |

## Description & Features

The CRF-DA-5725-5850MHz-16dBi is a single-polarized panel antenna for the 5725 - 5850 MHz band. It provides 16 ±1 dBi gain, vertical polarization, 70 ±10° horizontal beamwidth, 17 ±3° vertical beamwidth, 50 Ω input impedance, and VSWR ≤ 1.5.The maximum input power is 200 W. This model uses an N-Female connector, supports DC Ground lightning protection, and pole mount installation.

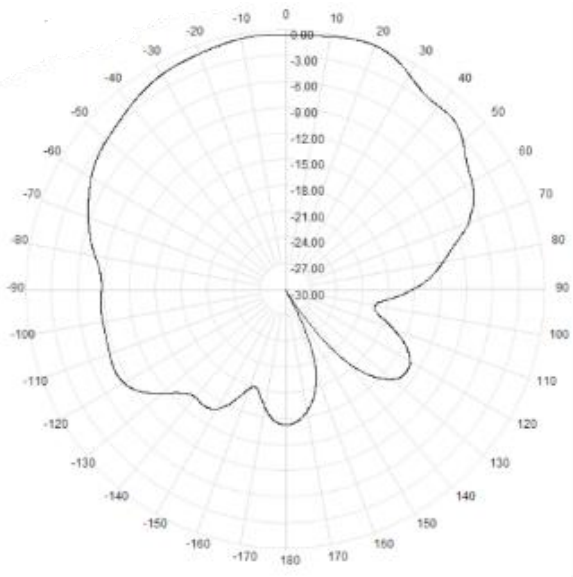
## Electrical Specifications

| Parameter | Value |
|---|---|
| Operating Frequency | 5725 - 5850 MHz |
| Gain | 16 ±1 dBi |
| VSWR | ≤ 1.5 |
| Polarization | Vertical |
| Horizontal Beamwidth | 70 ±10° |
| Vertical Beamwidth | 17 ±3° |
| Front-to-back Ratio | ≥ 23 dB |
| Input Impedance | 50 Ω |
| Maximum Input Power | 200 W |
| Input Connector Type | N-Female |
| Lightning Protection | DC Ground |

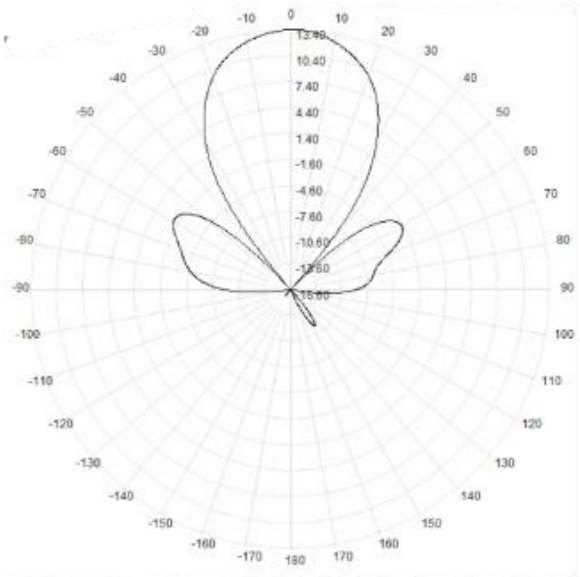
## Mechanical Specifications

| Parameter | Value |
|---|---|
| Dimensions (H x W x D) | 600 × 160 × 80 mm |
| Packing Size | 675 × 220 × 175 mm |
| Antenna Weight | 3.8 ±0.3 kg |
| Rated Wind Velocity | 36.9 m/s |
| Operational Humidity | 10 - 95% |
| Radome Color | Gray |
| Radome Material | UPVC |
| Operating Temperature | -30 to 65 °C |
| Installation Method | Pole Mount |
| Mounting Hardware | Ø35 – Ø90 mm |
| Mechanical Tilt | 0 - 15° |

## Radiation Pattern




Horizontal Pattern (H)




Vertical Pattern (V)