

Outdoor Single-Polarized Panel Antenna

CRF-DA-5150-5250MHz-16dBi

Frequency Range **5150 - 5250 MHz**	Input Connector Type **N-Female**
Gain **16 ±1 dBi**	Dimensions **600 × 160 × 80 mm**

Description & Features

The CRF-DA-5150-5250MHz-16dBi is a single-polarized panel antenna for the 5150 - 5250 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.

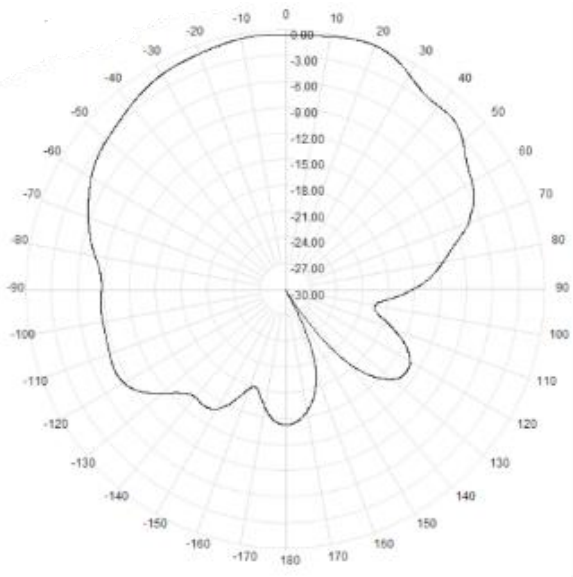
Electrical Specifications

Parameter	Value
Operating Frequency	5150 - 5250 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

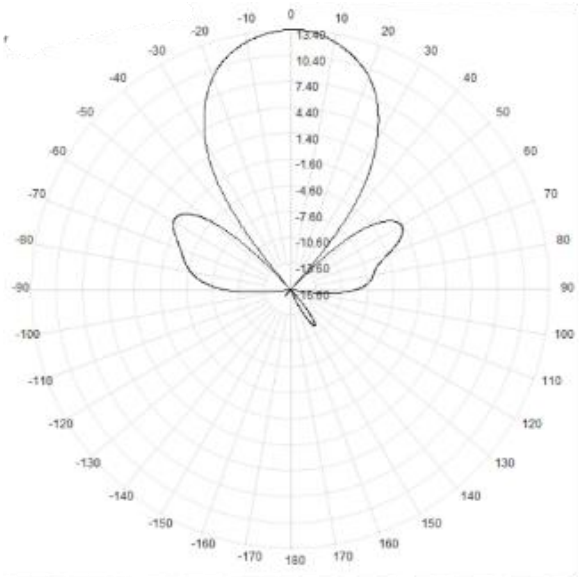
Mechanical Specifications

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)