

## AL-58023 - 23dBi Directional Panel Antenna

- Key Features:
- 23 dBi Directional Gain
  - Superior Quality
  - Horizontal or Vertical Polarization
  - Heavy-Duty Mounting Elements
  - Easy Elevation and Tilt Adjustment
  - Designed for All Weather Operation



- Applications:
- 5 GHz Band Wireless LAN
  - IEEE 802.11a WLAN Systems
  - RLAN
  - FWA
  - WiMAX

### Description

Panel antenna working in 5 GHz band with 23 dBi gain. Can be mounted for horizontal or vertical polarization. Antenna is built with very high quality materials, like a construction grade aluminium alloy, UV-inhibited ABS, stainless steel and zinc galvanized U-bolt. Designed for operation under severe weather conditions. A proper materials allow operation in the salt water environment without corrosion. Redesigned heavy-duty mounting elements guarantees an easy elevation and tilt adjust as well as rock-stable operation.

### Electrical Properties

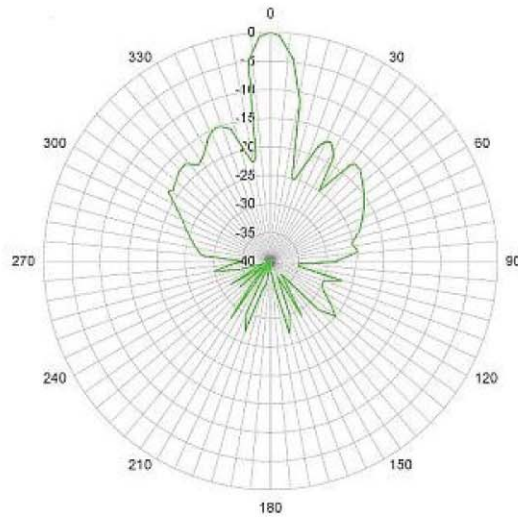
Frequency	5470 – 5825 MHz
Gain	23 dBi
Polarization	Horizontal/Vertical
Beamwidth deg horizontal	10
Beamwidth deg vertical	10°
VSWR	< 1.5
Impedance	50 Ohm
Front to back ratio	> 25 dB
Lighting protection	DC ground

Mechanical Properties

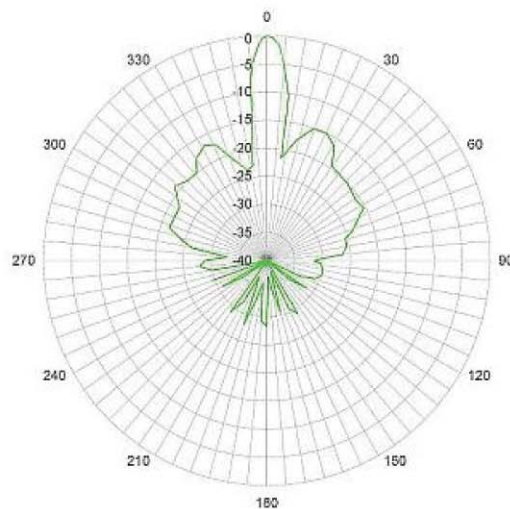
Technology	Microstrip
Input Connector	N-type / female
Dimensions	350x350x30 mm / 13.8x13.8x1.2"
Weight	1.35 kg / 3 lbs
Radome material	UV – inhibited ABS
Color	White
Base material	Al, powder painted
Construction	All – weather operation
Mounting Kit	50.8 mm / 2"

Antenna Patterns

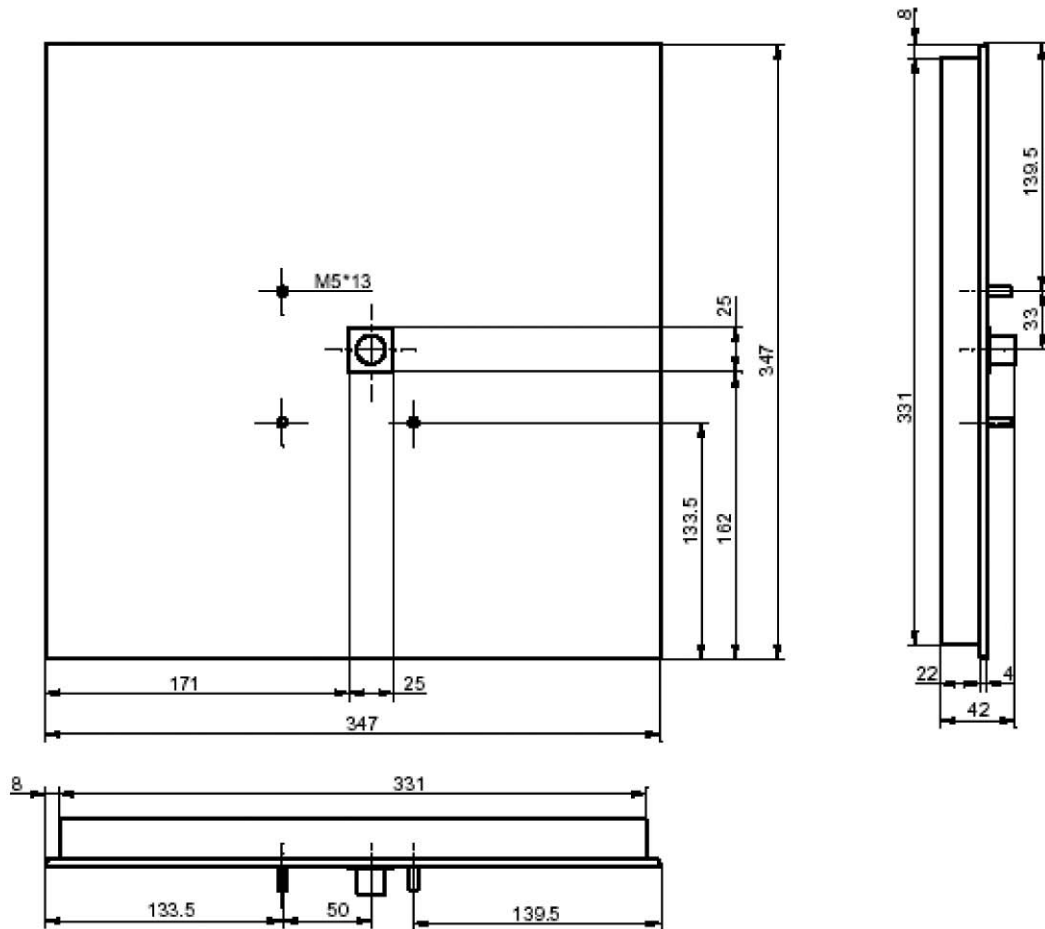
Azimuth



Elevation



Mechanical Drawing



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