

Directional Flat Panel Antenna

PAV865014



865 MHz 14 dBi FLAT PANEL ANTENNA

The PAV865014 flat panel directional antenna by Laird offers high-gain in a thin, low-profile package. The antenna is constructed of an off white color UV resistant ASA plastic radome with an aluminum backplate. The heavy duty mount bracket allows up or down tilt adjustment and the stainless steel hardware assures a long service life. The antenna can be surface mounted or pole mounted. The PAV865014 comes with an integral N connector standard.

FEATURES

- High gain / low profile
- Pole mount or surface mount
- Rugged IP67 rated weatherproof construction
- Vertical or horizontal polarization

MARKETS

- 866 MHz RFID antenna
- RFID applications
- OEM wireless data
- Transport terminals

PARAMETER	SPECIFICATION
Part Number	PAV865014
Frequency	865-870 MHz
Gain (typical)	13.8 dBi
3 dB Beamwidth-Azimuth	38°
3 dB Beamwidth-Elevation	41°
Front-to-Back Ratio	15 dB
Input Impedance	50 Ohms
Polarization	Linear Vertical
VSWR Max	1.4:1
RF Connector	Fixed Type N (male or female)
Radome	ASA UV Stable
Lightning Protection	DC Ground
Power Rating Max	6 W
Dimensions	18.3 x 18.3 x 1.4 in (46.5 x 46.5 x 3.6 cm)
Weight	2.7 kg
Operational Temperature	-40°C to +70°C
Mount Style	Surface- threaded stud x 4 / Pole- worm gear clamp
RoHS	Compliant

ORDERING GUIDE

PART NO.	SPECIFICATIONS
PAV865014-FNF	13.8 dBi 865-870 MHz directional panel - Type N female connector