



## 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

#### APPLICATIONS

- 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

PARAMETER	SPECIFICATION
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

## TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

## te.com

TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

©2021 TE Connectivity. All Rights Reserved.

11/21 Original