Panel Antennas, 6 dBi, RFID & ISM

PN6-915 Patch

Swivel mounting bracket

- Weatherproof radome; perfect for in-building & outdoor coverage
- 6 dBi gain for 915 RFID (US), 868 RFID (EU), and 915 ISM
- Available in Right Hand and Left Hand Circularly Polarized (CP)
- Pole or wall mount makes installation easy and quick

Mobile Mark's Patch Antennas are perfect for RFID systems, as well as other applications in the ISM band. They have features that solve many of the problems normally associated with 900 MHz patch designs.

The PN6 Series antennas are available as either circularly polarized righthand or lefthand. With 5.5 dBi gain, these antennas can provide an improvement in system performance over micro sized patch.

For RFID applications, these antennas are typically used for mid-range reader applications, portals and conveyor belts.

These patch antennas are small (5.75 in, 146 mm square) and attractive. Mounted in a parallel wall mount application would provide a 2.7 inch standout (69 mm). The radome is a durable ASA material, finished in white. Mounting hardware provided includes a swivel wall mount and stainless steel clamp for pole mounting. The antenna terminates with 6 inches of RG-58 cable (152 mm) and SMA Plug (Male) connector.

Note: Some RFID readers have an antenna sense circuit, and are looking for a 10K ohm resistor in the antenna. This is now a standard feature for the PN6 Series.

Model Number

Models	Description
PN6-915RCP	5.5 dBic, RHCP for US RFID
PN6-915LCP	5.5 dBic, LHCP for US RFID
PN6-868LCP	5.5 dBic LHCP for EU RFID
PN6-868RCP	5.5 dBic RHCP for EU RFID

For other connector & cable configurations, please contact you sales representative

Specifications

Frequency:	
PN6-915 Series	902 - 928 MHz
PN6-868 Series	865 - 870 MHz
Gain:	5.5 dBi maximum
VSWR:	2:1 max over range
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
Beamwidth:	80° elevation, 80° azimuth
Front-to-Back ratio:	10 dB
Operating Temp:	-40°C to +85°C
Lightning Protection:	External recommended
Mounting:	Standard, Swivel Wall/pole mounting with hose clamp
Antenna Radome:	White ASA
Radome Size:	5.75" Hx 5.75" Wx 0.7" D (146 mm x146mm x 18 mm)
Weight:	1.1 lbs (0.5 kg)
Termination:	6"(152 mm) RG-58/SMA Plug
Sense Resistor:	Built in 10k ohm resistor for reader with "sensing" circuits.
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G
Water Ingress	IPx5