



PN6-915 Patch



Swivel Mounting
Bracket

Panel Antennas, 6 dBic, RFID & ISM

- Weatherproof radome; in-building or outdoor coverage use
- 6 dBi gain for 915 RFID (US), 868 RFID (EU), and 915 ISM
- Available in Right Hand and Left Hand Circularly Polarized (CP)

Mobile Mark's PN6 Series antennas have been a popular solution for many RFID systems. These mid-gain antennas are ideal for systems where the tags read are neither too close not too far from the reader.

The PN6-915 antennas have also been used for applications in the ISM 915 band.

The PN6 Series antennas are available as either circularly polarized righthand or lefthand. With 5.5 dBic 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, (14.6 cm) square and attractive. When mounted on a wall the compact mounting configuration only requires a maximum of 2.7 inch (6.9 cm) clearance.

The radome is a durable ASA material, finished in white. The standard mounting hardware provided includes a swivel wall mount and a stainless steel clamp for pole mounting. Other options include a tape or velcro mount.

The antenna terminates with 6 (15.2 cm) inches of RG-58 cable and SMA Plug (Male) connector. Longer lengths are available, please consult your sales representative.

The PN6 Series has a DC shorted front end and is compatible with antenna sensing circuits found in the current generation of RFID readers. If your reader has a feature that requires a 10K Ohm resistor, the PN6 antenna can be special ordered with this feature.

Model #	Description
PN6-915RCP-1C-WHT-6	RHCP for US RFID
PN6-915LCP-1C-WHT-6	LHCP for US RFID
PN6-868LCP-1C-WHT-6	LHCP for EU RFID
PN6-868RCP-1C-WHT-6	RHCP for EU RFID

Add -FV for a Velcro mount optional

Add -FT for a Tape mount optional

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

Specifications

Frequency:		Lightning Protection:	External recommended
PN6-915 Series	902 - 928 MHz	Antenna Radome:	White ASA
PN6-868 Series	865 - 870 MHz	Mounting:	
Gain:		Standard	Swivel Wall/pole mounting with hose clamp
PN6-915 Series	6 dBic	Velcro optional	Flat backing plate w/ Velcro
PN6-868 Series	5 dBic	Tape optional	Flat backing plate w/ Tape
Axial Ratio:	3 db Max	Radome Size:	5.75" Hx 5.75" Wx 0.7" D (14.6 cm x14.6 cm x 1.8 cm)
VSWR:	2:1 max over range	Weight:	1.1 lbs (0.5 kg)
Impedance:	50 Ohm nominal	Termination:	6"(15.2cm) RG-58/SMA Plug
Maximum Power:	10 Watts	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G
Beamwidth:	80° elevation, 80° azimuth	Water Ingress	IPx5
Front-to-Back ratio:	10 dB		
Operating Temp:	-40°C to +85°C		