

Panel Antennas, 6 dBic, 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 915 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 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, 146 mm square) and attractive. When mounted on a wall the compact mounting configuration only requires a minimum of 2.7 inch (69 mm) clearance. The radome is a durable ASA material, finished in white. The standard mounting hardware provided includes a swivel wall mount, and stainless steel clamp for pole mounting. Other options include a tape or velcro mount.

The antenna terminates with 6 inches of RG-58 cable (152 mm) 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 Number

Models	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
Add -FT for a Tape mount

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

Specifications

Frequency:		Antenna Radome:	White ASA
PN6-915 Series	902 - 928 MHz	Mounting:	
PN6-868 Series	865 - 870 MHz	Standard	Swivel Wall/pole mounting with hose clamp
Gain:	5.5 dBic maximum	Velcro	Flat backing plate w/ Velcro
Axial Ratio:	3 db Max	Tape	Flat backing plate w/ Tape
VSWR:	2:1 max over range	Radome Size:	5.75" Hx 5.75" Wx 0.7" D (146 mm x146mm x 18 mm)
Impedance:	50 Ohm nominal	Weight:	1.1 lbs (0.5 kg)
Maximum Power:	10 Watts	Termination:	6"(152 mm) RG-58/SMA Plug
Beamwidth:	80° elevation, 80° azimuth	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G
Front-to-Back ratio:	10 dB	Water Ingress	IPx5
Operating Temp:	-40°C to +85°C		
Lightning Protection:	External recommended		