

Patch & Panel Antennas (Pat.Pend.)

RFID & ISM Applications

- Weatherproof radomes; perfect for in-building & outdoor coverage
- 5.5 dBi & 5.5 dBic gain patch models for RFID & 902-928 MHz ISM
- 10 dBic panel model for long range systems
- Pole or wall mount makes installation easy and quick

reducing interference issues. The PN10 Panel size is 12.25" square (311 mm), and housed in an attractive weatherproof grey ABS radome. It is provided with a dual purpose swivel wall/pole mount and U Bolts. Mounted parallel to a wall, it stands off 6.25 inches (159 mm). This antenna terminates with a 1 ft pigtail (30 cm) of RF-195 cable and N female connector.

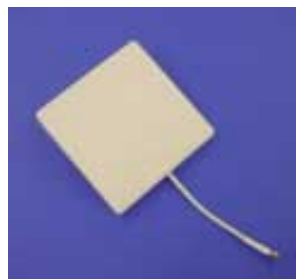
Model Number

| Models | Description |
|-------------|------------------------------------------------|
| BP6-915 | 5.5 dBi, Linear Polarity |
| BP6-915RCP | 5.5 dBic Right Hand Circularly Polarized |
| BP6-915LCP | 5.5 dBic Left Hand Circularly Polarized |
| BP6-868 | 5.5 dBi, Linear Polarity for EU RFID |
| BP6-868LCP | 5.5 dBic Left Hand CP for EU RFID |
| PN10-915RCP | 10 dBic Panel, Right Hand Circularly Polarized |

For other connector & cable configurations, please consult factory.



PN10-915RCP



BP6-915 Patch



Swivel mounting bracket

Mobile Mark's Patch & Panel 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 BP6 Series antennas are available in either linear or circularly polarized (righthand or lefthand). With 5.5 dBi gain, these antennas can provide an improvement in system performance over micro-sized patch. Model series BP6-915 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 stand-off (69 mm). The radome is a durable ABS 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 connector.

The Panel model PN10-915RCP is available with right hand circular polarization. With high gain 10 dBi, this antenna is very useful for longer range systems. Also, with a narrower beamwidth, it can be quite effective in

Specifications

Frequency:

| | |
|--------------------|---------------|
| BP6-915 & PN10-915 | 902 - 928 MHz |
| BP6-868 Series | 865 - 870 MHz |

Gain:

| | |
|------------|---------------------|
| BP6 Models | 5.5 dBi maximum |
| PN10-915 | 10 dBic (RHCP only) |

Bandwidth @2.0:1 SWR:

30 MHz

Impedance:

50 Ohm nominal

Maximum Power:

10 Watts

Beamwidth:

| | |
|------------|----------------------------|
| BP6 Models | 80° elevation, 80° azimuth |
| PN10-915 | 56° elevation, 56° azimuth |

Front-to-Back ratio:

10 dB for B6 Series, 20 dB for PN10-915

Lightning Protection:

External recommended

Mounting:

Swivel Wall /pole mounting

Antenna Radome:

White ABS for BP6 series
Grey ABS for PN10-915

Radome Size:

| | |
|------------|---------------------------------------------------------|
| BP6 Series | 5.75" H x 5.75" W x 0.7" D (146 mm x 146 mm x 18 mm) |
| PN10-915 | 12.25"H x 12.25"W x 3.5"D (311 mm x 311 mm x 89 mm) |

Weight:

| | |
|------------|-------------------|
| BP6 Series | 1.1 lbs (0.5 kg) |
| PN10-915 | 3.0 lbs (1.36 kg) |

Termination:

| | |
|------------|------------------------------|
| BP6 Series | 6" (152 mm) RG-58/SMA male |
| PN10-915 | 1 ft (30 cm) RF-195/N female |

For special configurations, please consult factory.