

## Patch & Panel Antennas (Pat.Pend.) RFID & ISM Applications



BP6-915 Patch



Swivel  
mounting  
bracket

- Weatherproof radome; perfect for in-building & outdoor coverage
- 5.5 dBi gain for 915 RFID, 868 RFID (EU), and 915 ISM
- Available in Linear, 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 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.

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

For 915 ISM applications, linear polarized models can be used for a traditional link. Utilizing a pair of Circularly polarized models (or two linear models horizontally mounted) can effectively reduce interference from other ISM transmitters.

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 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. 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 BP6 Series.

### Model Number

Models	Description
BP6-915	5.5 dBi, Linear Polarity
BP6-915RCP	5.5 dBic, Right Hand CP
BP6-915LCP	5.5 dBic, Left Hand CP
BP6-868	5.5 dBi, Linear Polarity for EU RFID
BP6-868LCP	5.5 dBic Left Hand CP for EU RFID

For other connector & cable configurations, please consult factory.

### Specifications

<b>Frequency:</b>		<b>Mounting:</b>	Swivel Wall/pole mounting
BP6-915 Series	902 - 928 MHz	<b>Antenna Radome:</b>	White ABS
BP6-868 Series	865 - 870 MHz	<b>Radome Size:</b>	5.75" Hx 5.75" Wx 0.7" D (146 mm x146mm x 18 mm)
<b>Gain:</b>	5.5 dBi maximum	<b>Weight:</b>	1.1 lbs (0.5 kg)
<b>Bandwidth @2.0:1 SWR:</b>	30 MHz	<b>Termination:</b>	6"(152 mm) RG-58/SMA male
<b>Impedance:</b>	50 Ohm nominal	<b>Sense Resistor:</b>	Built in 10k ohm resistor for reader with "sensing" circuits.
<b>Maximum Power:</b>	10 Watts		
<b>Beamwidth:</b>	80° elevation, 80° azimuth		
<b>Front-to-Back ratio:</b>	10 dB		
<b>Operating Temp:</b>	-40°C to +85°C		
<b>Lightning Protection:</b>	External recommended		

For special configurations, please consult factory.