



320 Northpoint Parkway SE  
 Suite B & C  
 Acworth, GA 30102 USA  
 Tel: 770-529-6800  
 Fax: 770-529-6840  
[www.dmswireless.com](http://www.dmswireless.com)

October 2009

| PANEL DIRECTIONAL ANTENNA | Wireless Broadband Sector |                    |                    |
|---------------------------|---------------------------|--------------------|--------------------|
|                           | Base Station Antenna      |                    |                    |
|                           |                           |                    |                    |
|                           |                           |                    |                    |
| <b>700-760 MHz</b>        |                           |                    |                    |
|                           | <b>PA700120115V</b>       | <b>PA70012013V</b> | <b>PA70012015V</b> |
| <b>Electrical Data</b>    |                           |                    |                    |
| Gain (dBi)                | 11.5                      | 13                 | 15                 |
| Beamwidth (degrees)       | 120H 19V                  | 120H 12V           | 120H 7.5V          |
| Front to Back Ratio (dB)  | >20                       | >20                | >20                |
| VSWR (typical)            | 2.0 or less               | 2.0 or less        | 2.0 or less        |
| Rated Wind Velocity       | 210kmh/130mph             | 210kmh/130mph      | 210kmh/130mph      |
| Maximum Power (watts)     | 250                       | 250                | 250                |
| Polarization              | Vertical                  | Vertical           | Vertical           |
| Input Impedance           | 50 Ohms                   | 50 Ohms            | 50 Ohms            |
| PIM (dBm)                 | <-107                     | <-107              | <-107              |
| <b>Physical Data</b>      |                           |                    |                    |
| Construction              | Air Dielectric            | Air Dielectric     | Air Dielectric     |
| Radiation Element         | Aluminum Alloy            | Aluminum Alloy     | Aluminum Alloy     |
| Radome Material           | UV Resistant PVC          | UV Resistant PVC   | UV Resistant PVC   |
| Mounting Hardware         | S/S Tilt Brackets         | S/S Tilt Brackets  | S/S Tilt Brackets  |
| Connector Interface       | Female N                  | 7/16 DIN           | 7/16 DIN           |
| Structure                 | One Panel                 | One Panel          | One Panel          |
| Lightning Protection      | Direct Ground             | Direct Ground      | Direct Ground      |
|                           |                           |                    |                    |
|                           |                           |                    |                    |
|                           |                           |                    |                    |
| Fits Mast Size            | 1.57"-3.54"               | 1.57"-3.54"        | 1.57"-3.54"        |
|                           | 40-90mm                   | 40-90mm            | 40-90mm            |

Photos: Photos for PA Series - PANEL DIRECTIONAL ANTENNA

Photo may not be exact model.

Please note the construction, the materials and the mounting hardware are accurate in photos for all models, only size is different.

Specifications: Specifications subject to change without notice.

Any questions, please contact DMS WIRELESS

<http://www.dmswireless.com>

[wireless@dmswireless.com](mailto:wireless@dmswireless.com)

All products FCA Warehouse, Acworth, GA 30102 USA

One year warranty: Repair or replacement, no freight included.

Contact DMS WIRELESS for RMA.

No returns accepted without RMA.