

# Standalone Panel Antenna

## 902-928MHz 12.5dBi



- ◆ High gain, low cost, patented circuit design
- ◆ Low profile and rugged design for outdoor use
- ◆ US Engineered
- ◆ Excellent external antenna solution for Motorola's 900MHz Canopy™ broadband wireless platform
- ◆ Articulating wall and pole mount included
- ◆ Custom designs available

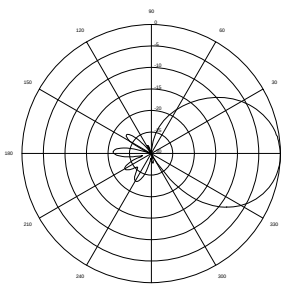
| Mechanical and Environmental Specifications |                                                   |
|---------------------------------------------|---------------------------------------------------|
| Length x Width x Depth                      | 15.4in x 15.4in x 1.7in<br>(391mm x 391mm x 43mm) |
| Weight                                      | 2.2 lb (1 kg)                                     |
| Backplane                                   | Aluminum                                          |
| Radome                                      | UV stabilized ABS plastic                         |
| Wind Survivability                          | 125mph (201kph)                                   |
| Wind Load                                   | 1.90ft <sup>2</sup> (0.18m <sup>2</sup> )         |
| Operating Temperature Range                 | -49°F to +149°F<br>(-45°C to +65°C)               |
| Pole Mount Diameter Range                   | 0.75in to 2.0in<br>(19mm to 51mm)                 |

| Ordering Information |                                                |
|----------------------|------------------------------------------------|
| Part #               | Description                                    |
| ARC-PA0913B01        | 902-928MHz 12dBi Standalone Panel, Type N Jack |

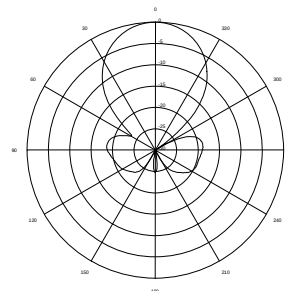
| Shipping Information                            |                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------|
| Sizes and Weights                               | Description                                                       |
| 25in x 16in x 14.5in<br>(635mm x 406mm x 368mm) | Packaging includes 10 units in a single over pack box w/ brackets |
| 27lb, (12.2kg)                                  |                                                                   |

| Electrical Specifications         |                                       |
|-----------------------------------|---------------------------------------|
| Frequency Range                   | 902-928MHz                            |
| Gain                              | 12.5dBi                               |
| 3dB Beamwidth Vertical/Horizontal | 42deg/42deg                           |
| Polarization                      | Single linear, horizontal or vertical |
| VSWR                              | ≤1.5:1 typ., ≤1.7:1 max.              |
| Front-to-Back Ratio               | >25 dB                                |
| Cross Polarization                | >20 dB                                |
| Power Rating                      | 30 watts                              |
| Impedance                         | 50 ohms                               |
| Lighting Protection               | DC ground                             |
| Connector Type                    | Integral type N jack                  |

RF Patterns  
Vertical Cut, typ.



RF Patterns  
Horizontal Cut, typ.



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