



*Antenna Factory, Inc.*

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BP824-14.1-90

## Specifications:

|                                    |   |
|------------------------------------|---|
| <b>Frequency Range</b>             | 824-896 MHz   |
| <b>Gain</b>                        | 14.1 dBi  |
| <b>Horizontal Beamwidth</b>        | 90°   |
| <b>Vertical Beamwidth</b>          | 12°   |
| <b>F/B Ratio</b>                   | ≥ 23 dB   |
| <b>VSWR</b>                        | ≤ 1.5   |
| <b>Nominal Impedance</b>           | 50 ohm  |
| <b>Polarization</b>                | ± 45  |
| <b>Maximum Input Power</b>         | 500 W   |
| <b>Lightning Protection</b>        | DC Ground   |
| <b>Connector Place</b>             | Center  |
| <b>Connector</b>                   | N Female or 7/16 DIN Female                         |
| <b>Dimension</b>                   | 1219mm × 305mm × 127mm / 3.20 ft × 1.0 ft × 0.42 ft |
| <b>Weight</b>                      | 13 kg / 28.66 lb                                    |
| <b>Rated Wind Velocity</b>         | 216 km/h / 135 mph                                  |
| <b>Radiating Elements Material</b> | Brass   |
| <b>Back Panel Material</b>         | Passivated Aluminum                                 |
| <b>Radome Material</b>             | Fiberglass  |
| <b>Mounting Mast Diameter</b>      | φ 40 – 89 mm / φ 1.57 – 3.50 in                     |
| <b>Intermodulation IM3</b>         | ≤ -110  |

Every effort is made to insure the product specifications are complete and accurate.  
However, omissions, changes to product specifications and design changes may occur without notice.