



*Antenna Factory, Inc.*

[www.antennafactory.com](http://www.antennafactory.com)

Toll Free: 877-288-9112 Fax: 847-584-9952

BPD450-11.6-65



## Specifications:

<b>Frequency Range</b>	450-470 MHz
<b>Gain</b>	11.6 dBi
<b>Bandwidth</b>	15 MHz
<b>Horizontal Beamwidth</b>	65°
<b>Vertical Beamwidth</b>	30°
<b>F/B Ratio</b>	≥ 25dB
<b>Intermodulation IM3</b>	≤ -110 dBm
<b>VSWR</b>	≤ 1.5
<b>Input Impedance</b>	50 ohm
<b>Polarization</b>	± 45
<b>Isolation</b>	≥ 25 dB
<b>Cross-polar Discrimination</b>	≥ 15 dB
<b>Maximum Power</b>	500 W
<b>Connector Place</b>	Center
<b>Connector</b>	N Female or 7/16 DIN Female
<b>Dimension</b>	1534mm × 518mm × 132mm / 5.03 ft × 1.70 ft × .43 ft
<b>Weight</b>	13 kg / 28.66 lb
<b>Rated Wind Velocity</b>	216 km/h / 135 mph
<b>Radiating Element's Material</b>	Brass
<b>Back Panel Material</b>	Passive Aluminum
<b>Radome Material</b>	Fiberglass
<b>Mounting Mast Diameter</b>	φ 40 – 89 mm / φ 1.57 – 3.50 in
<b>Lightning Protection</b>	DC Ground

Note: Can be tuned to work at 410-430MHz

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.