



BOA4068 antenna (left).
Bottom view (top right).
MMK5 mount (bottom right)



PCTEL Broadband UHF Fiberglass Base Station Omnidirectional Antenna -PRELIMINARY-

The BOA4068 403-430MHz omnidirectional base station antenna consists of a linear array, encapsulated in a heavy duty fiberglass radome with a thick walled 6061-T6 aluminum mounting base for reliable long term use. This rugged design allows the BOA4068 antenna to withstand harsh environments and is ideal for Industrial Wireless applications. The antenna design is DC grounded for ESD protection.

Features

- 2" OD UV stable light gray fiberglass radome
- Hard coat anodized mounting base
- Galvanized mounting hardware
- Removable drain plug for upright or inverted mounting

Antenna Electrical Specifications

Model	Frequency Range	Nominal Gain	Return Loss	SWR	E-Plane Beamwidth
BOA4068	403-430 MHz	8.1 dBi/6 dBd	>12 dB	<1.7	14°

Mechanical Specifications

Model	Weight (Mass)	Height	Bending Moment at Rated Wind	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area
BOA4068	10 lbs	122"	685 ft-lbs	74 lbs	1.7 ft ²

Technical Data

Maximum Power: 250 watts
Nominal Impedance: 50 ohms
Radome Material: Pultruded fiberglass
ESD Protection: DC grounded
Rated Wind Velocity: 125 mph
Termination: N female bulkhead
Mounting Hardware: MMK5 heavy duty mount (for 3-1/4" maximum diameter mast)