



ANTENNA EXPERTS

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Model # GPHP-800-2000

800 – 2000 MHz.

2.15 dBi Gain

Broad Band Omni-directional Heavy Duty Ground Plane Jammer Antenna

DESIGN FEATURES: GPHP-800-2000 broad band high power heavy duty fully assembled ground plane antenna is specially designed to survive the most extreme conditions, where conventional antennas often fail. Due to its low VSWR through entire band from 800-2000 MHz., this high power handling ground plane antenna can be used as a transmitting and receiving antenna with high efficiency, to meet the broadband requirement of a base station antenna such as spectrum monitoring or jamming application without need of multiple antennas. GPHP-800-2000 high power broad band ground plane antenna is extremely rugged, fully welded at all junctions, all weather model, does not require any field tuning or adjustments. The wide vertical beam-width of high power discone antennas allows clear communication for ground, sea, and ground-to-air applications. The fully assembled broad band ground plane antenna is also highly suitable for Oceanic application especially in arctic region where vibration and ice loading are main concern.

CONSTRUCTIONS: The fully welded fully assembled high power broad band ground plane antenna uses 6063T6 Mil grade ultra corrosion resistant architectural anodized aluminum alloy with powder coating finish to protect the antenna further from severe environmental condition. All internal junctions are enclosed within a ruggedized ABS radome to ensure survivability in the worst environments. The powder coating on all metal surfaces ensures complete protection from corrosive gases, ultraviolet radiation, salt spray, acid rain and sand storms in desert environments. The high power broad band ground antenna termination enclosed below the mounting plate for complete weather protection. All the screws, nuts and bolts of heavy duty broad band ground plane antenna are made of type 316 marine grade stainless steel.



ELECTRICAL SPECIFICATIONS:

Frequency Range	800-2000 MHz.
Gain	2.15 dBi. Typical
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-Directional
Vertical Beam-width –Half Power Points.	78 Degrees
VSWR – Better Than	2:1
RF Power Handling Capacity	500 Watts
Input Termination	N-Female or DIN-F

MECHANICAL SPECIFICATIONS:

Materials	6063T6 Aluminum Alloy
Mounting Hardware -Materials	Marine Grade Stainless Steel
Weight Approx	1 Kg.
Wind Rating	200 Km/Hr.
Overall Length	200 mm (8 Inches)
Shipping Length	250 mm (10 Inches)
Support Pipe Materials	Powder Coated Aluminum
Elements Materials	6063T6 Aluminum Alloy
Insulator Materials	Teflon & Nylon
Maximum Mount Pipe Diameter	52 mm (2 Inches)
Enclosure/Radome Materials	High Quality ABS
Finishing	Olive Green MIL Color

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to +80 Degrees Celsius
Humidity	0 to 95% RH

Please contact us for radiation pattern and VSWR graph.