0.6 m | 2 ft High Performance Parabolic Reflector Antenna, Dual-polarized, 4.4-5GHz
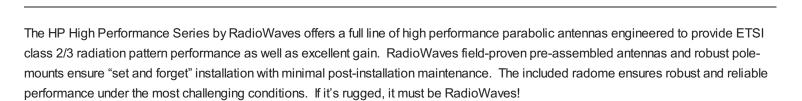
HPD2-4.7

The HP High Performance Series by RadioWaves offers a full line of high performance parabolic antennas engineered to provide ETSI class 2/3 radiation pattern performance as well as excellent gain. RadioWaves field-proven pre-assembled antennas and robust pole-mounts ensure "set and forget" installation with minimal post-installation maintenance. The included radome ensures robust and reliable performance under the most challenging conditions. If it's rugged, it must be RadioWaves!

FEATURES AND BENEFITS

O High Performance ETSI Class 2/3* Parabolic Antennas – Excellent performance for a wide range of applications

O Fully Preassembled at the Factory – Simplifies installation on site and guarantees "factory-tested" quality

*ETSI Class depends on frequency band

SPECIFICATIONS

General

Antenna Type	High Performance Parabolic Reflector Antenna	Standard RF Connector Type	N-Female
Size, nominal	2 ft	0.6 m	Standard RF Connector Suffix	NS (append suffix to model number)
Polarization	Dual		

Electrical

Operating Frequency Band	4.4 - 5 GHz	Gain, Low Frequency	25.9 dBi
Half Power Beamwidth, Horizontal	7.1 degrees	Gain, Mid Frequency	26.4 dBi
Half Power Beamwidth, Vertical	7.1 degrees	Gain, High Frequency	26.9 dBi
Cross-Polarization Discrimination	28 dB	VSWR	1.5:1
Front to Back Ratio (F/B)	48 dB	Return Loss	-14 dB

Mechanical

Fine Azimuth Adjustment	+/- 10 degrees		Mechanical Configuration	HP2
Fine Elevation Adjustment	+/- 30 degrees		Axial Force (FA)	202 lbs | 899 N
Mounting Pipe Diameter, Min	2 inch | 5.08 cm		Side Force (FS)	100 lbs | 445 N
Mounting Pipe Diameter, Max	4.5 inch | 11.4 cm		Twisting Moment (MT)	194 ft-lbs | 263 Nm
Net Weight	27 lbs | 12.3 kg		Operating Temperature Range	-40 to +60 C
Wind Velocity Operational	90 mph | 145 km/h		Max Pressure, PSIG, (if waveguide interface)	5
Wind Velocity Survival Rating	125 mph | 201 km/h			

Regulatory Compliance

FCC	undeclared		ETSI	undeclared
Industry Canada Compliance	undeclared		RoHS-compliant	Yes

Shipping Information

Package Type	Cardboard		Dimensions, L x W x H	31 x 31 x 25in | 79 x 79 x 64 cm
Gross Weight	48 lbs | 28.7 kg		Shipping Volume	13.9 cu ft | 0.39 cu m

*Additional OEM interfaces and adapters may be available. Contact RadioWaves for a complete and current list of available adapters.

TECHNICAL DRAWINGS

16.3

13.3

8.9

Ø24.5

HP2

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