

# HP6-2.4

1.8 M | 6 FT HIGH PERFORMANCE PARABOLIC REFLECTOR ANTENNA, SINGLE-POLARIZED, 2.4-2.7GHZ



## SPECIFICATIONS

### General

Antenna Type	High Performance Parabolic Reflector Antenna	Standard RF Connector Type	N-Female
Size, nominal	6 ft   1.8 m	Standard RF Connector Suffix	NS (append suffix to model number)
Polarization	Single		

### Electrical

Operating Frequency Band	2.4 - 2.7 GHz	Gain, Low Frequency	29.9 dBi
Half Power Beamwidth, Horizontal	4.8 degrees	Gain, Mid Frequency	30.4 dBi
Half Power Beamwidth, Vertical	4.8 degrees	Gain, High Frequency	30.9 dBi
Cross-Polarization Discrimination	30 dB	VSWR	1.5:1
Front to Back Ratio (F/B)	46 dB	Return Loss	-14 dB

### Mechanical

Fine Azimuth Adjustment	+/- 10 degrees	Mechanical Configuration	HP6-LoFreq
Fine Elevation Adjustment	+/- 25 degrees	Axial Force (FA)	1680 lbs   7473 N
Mounting Pipe Diameter, Min	4.5 inch   11.4 cm	Side Force (FS)	832 lbs   3700 N
Mounting Pipe Diameter, Max	4.5 inch   11.4 cm	Twisting Moment (MT)	2100 ft-lbs   2847 Nm
Net Weight	251 lbs   113 kg	Operating Temperature Range	-40 to +60 C
Wind Velocity Operational	90 mph   145 km/h	Max Pressure, PSIG, (if waveguide interface)	na
Wind Velocity Survival Rating	125 mph   201 km/h		

## Regulatory Compliance

FCC	undeclared
Industry Canada Compliance	undeclared

ETSI	undeclared
RoHS-compliant	Yes

## Shipping Information

Package Type	Wood Crate
Gross Weight	401 lbs   181.8 kg

Dimensions, L x W x H	77 x 35 x 80in   195 x 89 x 203 cm
Shipping Volume	124.77 cu ft   3.53 cu m

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

## TECHNICAL DRAWINGS

