

HP8-6

2.4 M | 8 FT HIGH PERFORMANCE PARABOLIC REFLECTOR ANTENNA, SINGLE-POLARIZED, 5.725-7.125GHZ



SPECIFICATIONS

General

Antenna Type	High Performance Parabolic Reflector Antenna	Standard RF Connector Type	CPR137G
Size, nominal	8 ft 2.4 m	Standard RF Connector Suffix	RS (append suffix to model number)
Polarization	Single		

Electrical

Operating Frequency Band	5.725 - 7.125 GHz	Gain, Low Frequency	41 dBi
Half Power Beamwidth, Horizontal	1.5 degrees	Gain, Mid Frequency	42.1 dBi
Half Power Beamwidth, Vertical	1.5 degrees	Gain, High Frequency	43.2 dBi
Cross-Polarization Discrimination	30 dB	VSWR	1.37:1
Front to Back Ratio (F/B)	66 dB	Return Loss	-16.1 dB

Mechanical

Fine Azimuth Adjustment	+/- 5 degrees	Mechanical Configuration	HP8
Fine Elevation Adjustment	+/- 5 degrees	Axial Force (FA)	2773 lbs 12334 N
Mounting Pipe Diameter, Min	4.5 inch 11.4 cm	Side Force (FS)	1422 lbs 6325 N
Mounting Pipe Diameter, Max	4.5 inch 11.4 cm	Twisting Moment (MT)	4400 ft-lbs 5965 Nm
Net Weight	424 lbs 194.5 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	Part 101 Cat. A
Industry Canada Compliance	SRSP305.9 A

ETSI	302217 R1 C2
RoHS-compliant	Yes

Shipping Information

Package Type	Wood Crate
Gross Weight	1122 lbs 508.9 kg

Dimensions, L x W x H	105 x 63 x 95in 249 x 203 x 218 cm
Shipping Volume	363.67 cu ft 10.3 cu m

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

TECHNICAL DRAWINGS

