

HPD8-10

2.4 M | 8 FT HIGH PERFORMANCE PARABOLIC REFLECTOR ANTENNA, DUAL-POLARIZED, 10.15-10.7GHZ



SPECIFICATIONS

General

Antenna Type	High Performance Parabolic Reflector Antenna
Size, nominal	8 ft 2.4 m
Polarization	Dual

Standard RF Connector Type	CPR90G
Standard RF Connector Suffix	RS (append suffix to model number)

Electrical

Operating Frequency Band	10.15 - 10.7 GHz
Half Power Beamwidth, Horizontal	1 degrees
Half Power Beamwidth, Vertical	1 degrees
Cross-Polarization Discrimination	30 dB
Front to Back Ratio (F/B)	70 dB

Gain, Low Frequency	45.5 dBi
Gain, Mid Frequency	45.6 dBi
Gain, High Frequency	45.7 dBi
VSWR	1.37:1
Return Loss	-16.1 dB

Mechanical

Fine Azimuth Adjustment	+/- 5 degrees
Fine Elevation Adjustment	+/- 5 degrees
Mounting Pipe Diameter, Min	4.5 inch 11.4 cm
Mounting Pipe Diameter, Max	4.5 inch 11.4 cm
Net Weight	424 lbs 194.5 kg
Wind Velocity Operational	90 mph 145 km/h
Wind Velocity Survival Rating	125 mph 201 km/h

Mechanical Configuration	HP8
Axial Force (FA)	2773 lbs 12334 N
Side Force (FS)	1422 lbs 6325 N
Twisting Moment (MT)	4400 ft-lbs 5965 Nm
Operating Temperature Range	-40 to +60 C
Max Pressure, PSIG, (if waveguide interface)	5

Regulatory Compliance

FCC	Part 101 Cat. A
Industry Canada Compliance	SRSP310.5

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

