

SP2-3.5

0.6 M | 2 FT STANDARD PERFORMANCE PARABOLIC REFLECTOR ANTENNA, SINGLE-POLARIZED, 3.3-3.6GHZ

The SP Standard Performance Series by RadioWaves offers a full line of cost effective standard performance parabolic antennas engineered to deliver reliable radio links. Designed for both unlicensed and licensed band applications, RadioWaves field-proven pre-assembled SP antennas and robust pole-mounts ensure “set and forget” installation with minimal post-installation maintenance. If it’s rugged, it must be RadioWaves!



FEATURES AND BENEFITS

- Standard Performance Parabolic Antennas – Excellent performance for a wide range of licensed and unlicensed applications
- Fully Preassembled at the Factory – Simplifies installation on site and guarantees “factory-tested” quality
- Warranty – Industry leading 7-year warranty

SPECIFICATIONS

General

Antenna Type	Standard 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	Single		

Electrical

Operating Frequency Band	3.3 - 3.6 GHz	Gain, Low Frequency	23.8 dBi
Half Power Beamwidth, Horizontal	10 degrees	Gain, Mid Frequency	24.2 dBi
Half Power Beamwidth, Vertical	10 degrees	Gain, High Frequency	24.6 dBi
Cross-Polarization Discrimination	28 dB	VSWR	1.5:1
Front to Back Ratio (F/B)	32 dB	Return Loss	-14 dB

Mechanical

Fine Azimuth Adjustment	+/- 10 degrees	
Fine Elevation Adjustment	+/- 30 degrees	
Mounting Pipe Diameter, Min	2 inch 5.08 cm	
Mounting Pipe Diameter, Max	4.5 inch 11.4 cm	
Net Weight	22 lbs 9.9 kg	26 lbs 11.7 Kg with RD radome
Wind Velocity Operational	90 mph 145 km/h	
Wind Velocity Survival Rating	125 mph 201 km/h	

Mechanical Configuration	SP2	
Axial Force (FA)	222 lbs 988 N	122 lbs 543 Nm with RD radome
Side Force (FS)	14 lbs 62 N	24 lbs 107 Nm with RD radome
Twisting Moment (MT)	225 ft-lbs 305 Nm	194 lbs 263 Nm with RD radome
Operating Temperature Range	-40 to +60 C	
Max Pressure, PSIG, (if waveguide interface)	na	

Regulatory Compliance

FCC	undeclared
Industry Canada Compliance	undeclared

ETSI	undeclared
RoHS-compliant	Yes

Shipping Information

Package Type	Cardboard
Gross Weight	25 lbs 11.3 kg

Dimensions, L x W x H	28 x 8 x 28in 71 x 20 x 71 cm
Shipping Volume	3.63 cu ft 0.1 cu m

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

TECHNICAL DRAWINGS

