

1.8 m | 6 ft Super High Performance Parabolic  
Reflector Antenna, Single-polarized, 5.725-7.125GHz

## SHP6-6



The SHP Ultra High Performance Series by RadioWaves offers ultra high performance parabolic antennas engineered to provide ETSI class 3 radiation pattern performance, with exceptional front/back ratio as well as excellent gain. SHP Parabolics include high performance radomes. RadioWaves field-proven 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

- High Performance ETSI Class 3 Parabolic Antennas with exceptional front/back ratio – Excellent performance for a wide range of applications
- Simple Assembly – Minimal required assembly simplifies installation on site and guarantees “factory-tested” quality

## SPECIFICATIONS

### General

Antenna Type	Super High Performance Parabolic Reflector Antenna
Size, nominal	6 ft   1.8 m
Polarization	Single

Standard RF Connector Type	CPR137G
Standard RF Connector Suffix	RS (append suffix to model number)

### Electrical

Operating Frequency Band	5.725 - 7.125 GHz
Half Power Beamwidth, Horizontal	1.9 degrees
Half Power Beamwidth, Vertical	1.9 degrees
Cross-Polarization Discrimination	30 dB
Front to Back Ratio (F/B)	72 dB

Gain, Low Frequency	38.2 dBi
Gain, Mid Frequency	39.3 dBi
Gain, High Frequency	39.8 dBi
VSWR	1.22:1
Return Loss	-20 dB

## Mechanical

Fine Azimuth Adjustment	+/- 10 degrees
Fine Elevation Adjustment	+/- 10 degrees
Mounting Pipe Diameter, Min	4.5 inch   11.4 cm
Mounting Pipe Diameter, Max	4.5 inch   11.4 cm
Net Weight	251 lbs   113 kg
Wind Velocity Operational	90 mph   145 km/h
Wind Velocity Survival Rating	125 mph   201 km/h

Mechanical Configuration	SHP6
Axial Force (FA)	1680 lbs   7473 N
Side Force (FS)	832 lbs   3700 N
Twisting Moment (MT)	2100 ft-lbs   2847 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	SRSP305.9 A

ETSI	302217 R1 C3
RoHS-compliant	Yes

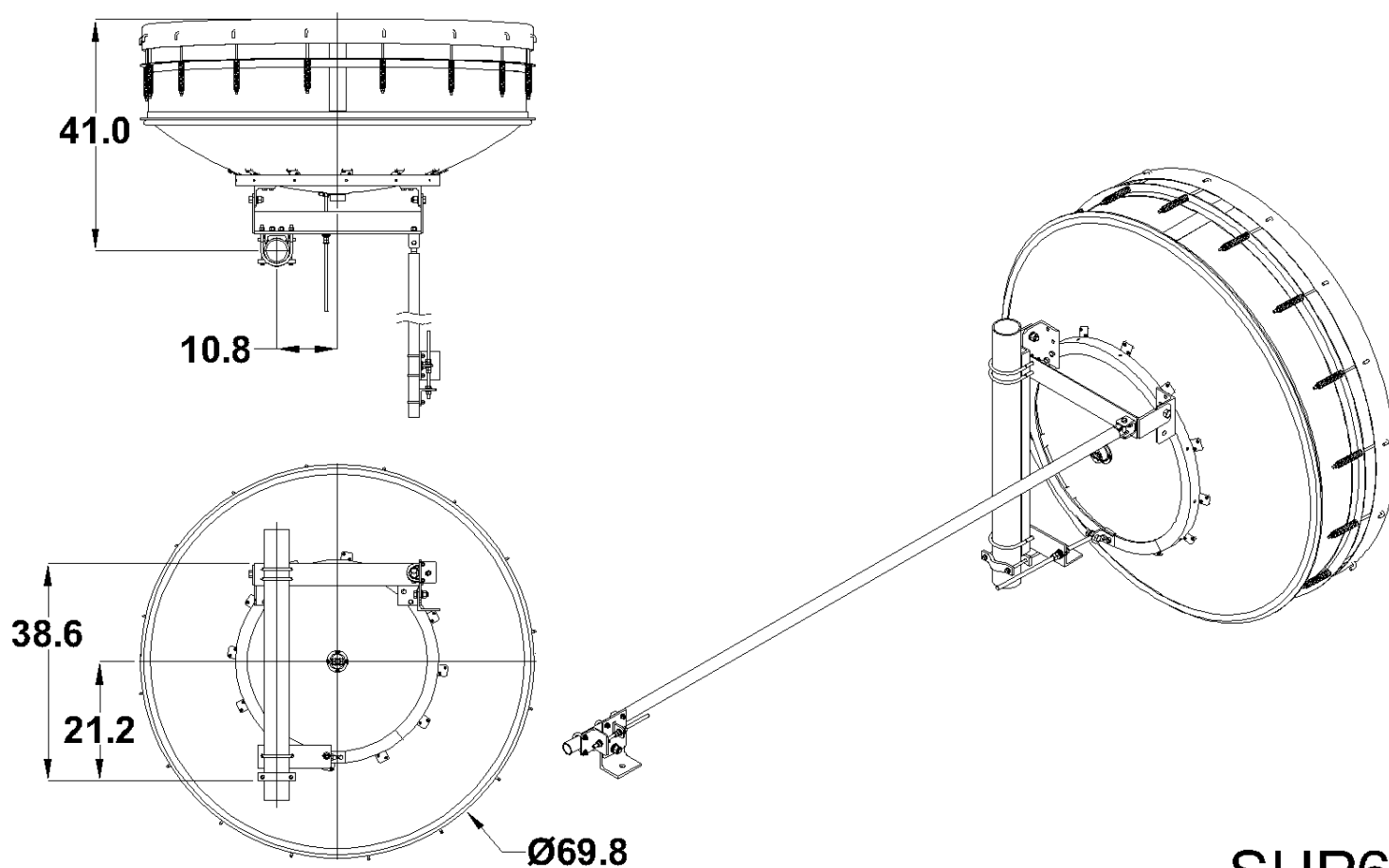
## Shipping Information

Package Type	Wood Crate
Gross Weight	403 lbs   182.8 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



SHP6