0.9 m | 3 ft High Performance Parabolic Reflector Antenna, Dual-polarized, 14.25-15.35GHz

HPD3-15



SPECIFICATIONS

General

Antenna Type	High Performance Parabolic Reflector Antenna
Size, nominal	3 ft | 0.9 m
Polarization	Dual

Standard RF Connector Type	WR62
Standard RF Connector Suffix	RS (append suffix to model number)

Electrical

Operating Frequency Band	14.25 - 15.35 GHz
Half Power Beamwidth, Horizontal	1.6 degrees
Half Power Beamwidth, Vertical	1.6 degrees
Cross-Polarization Discrimination	30 dB
Front to Back Ratio (F/B)	67 dB

Gain, Low Frequency	39.5 dBi
Gain, Mid Frequency	39.8 dBi
Gain, High Frequency	40 dBi
VSWR	1.37:1
Return Loss	-16.1 dB

Mechanical

Fine Azimuth Adjustment	+/- 10 degrees
Fine Elevation Adjustment	+/- 25 degrees
Mounting Pipe Diameter, Min	4.5 inch | 11.4 cm
Mounting Pipe Diameter, Max	4.5 inch | 11.4 cm
Net Weight	50 lbs | 12.3 kg
Wind Velocity Operational	90 mph | 145 km/h
Wind Velocity Survival Rating	125 mph | 201 km/h

Mechanical Configuration	HP3-LoFreq
Axial Force (FA)	403 lbs | 1972 N
Side Force (FS)	200 lbs | 890 N
Twisting Moment (MT)	344 ft-lbs | 466 Nm
Operating Temperature Range	-40 to +60 C
Max Pressure, PSIG, (if waveguide interface)	5

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Regulatory Compliance

FCC	undeclared
Industry Canada Compliance	SRSP314.5 C

ETSI	302217 R2 C2
RoHS-compliant	Yes

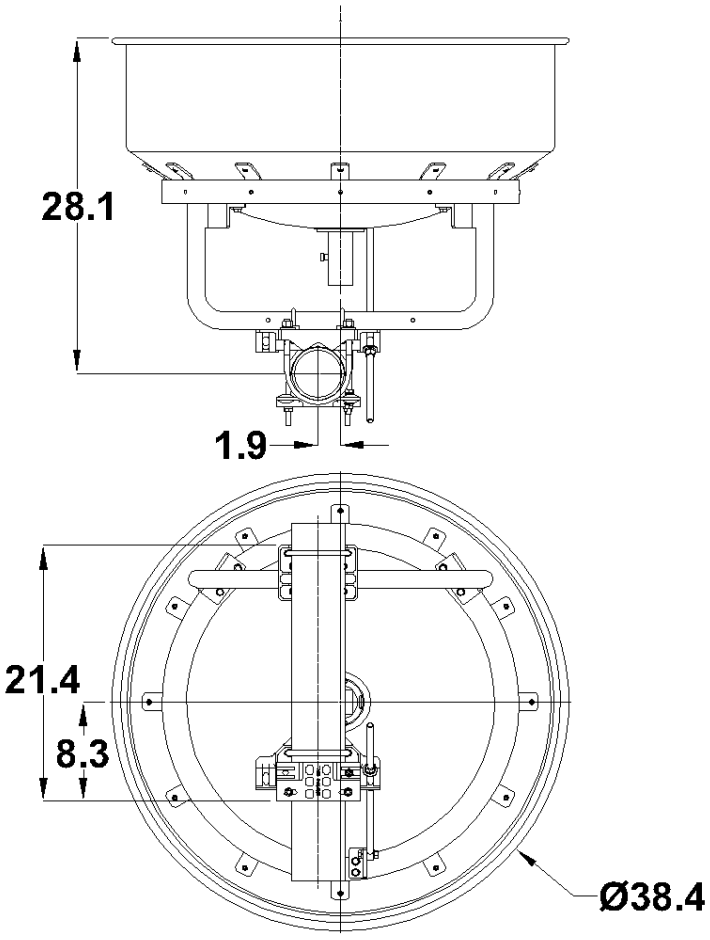
Shipping Information

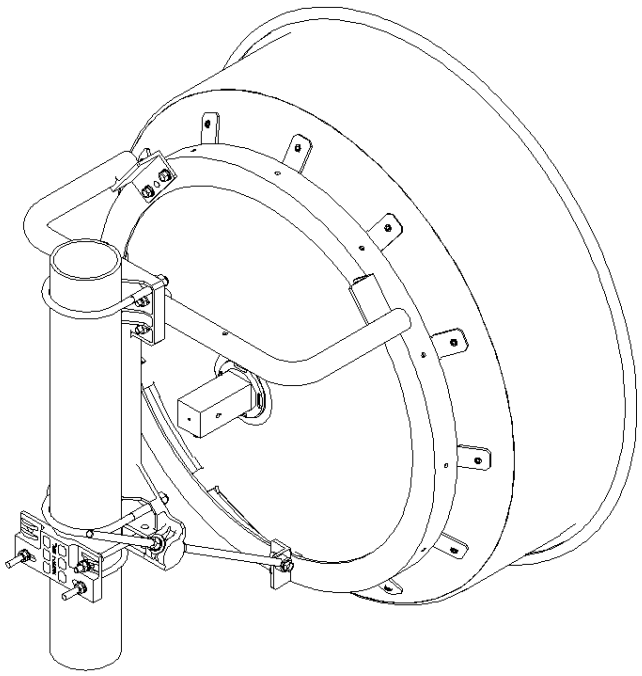
Package Type	Wood Crate
Gross Weight	143 lbs | 69.8 kg

Dimensions, L x W x H	47 x 28 x 48in | 119 x 71 x 122 cm
Shipping Volume	36.56 cu ft | 1.04 cu m

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

TECHNICAL DRAWINGS





HP3-LoFreq

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