



High Gain Parabolic Antenna 9.4 – 9.6GHz



Please note: The photo is for illustration purposes only. Please refer to the outline drawing.



Features

- High Gain Parabolic Antenna
- Gain > 31.5dB.
- Functional Bandwidth 9-11GHz

Typical Applications

- Wireless Infrastructure
- Military & Aerospace
- Research and Development

Electrical Specifications, $T_A = +25^\circ C$

Parameter	Min.	Typ.	Max.	Units
Frequency Range	9.4		9.6	GHz
Gain	31.5			dBi
VSWR		1.6	1.5	:1
Impedance	50			Ohms
Weight	2.5			kg
Interface	WR90 Cover Flange			
Material	Aluminum			
Finish	Anti Corrosion Grey Paint			

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for 72 Hours
Shock		1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)

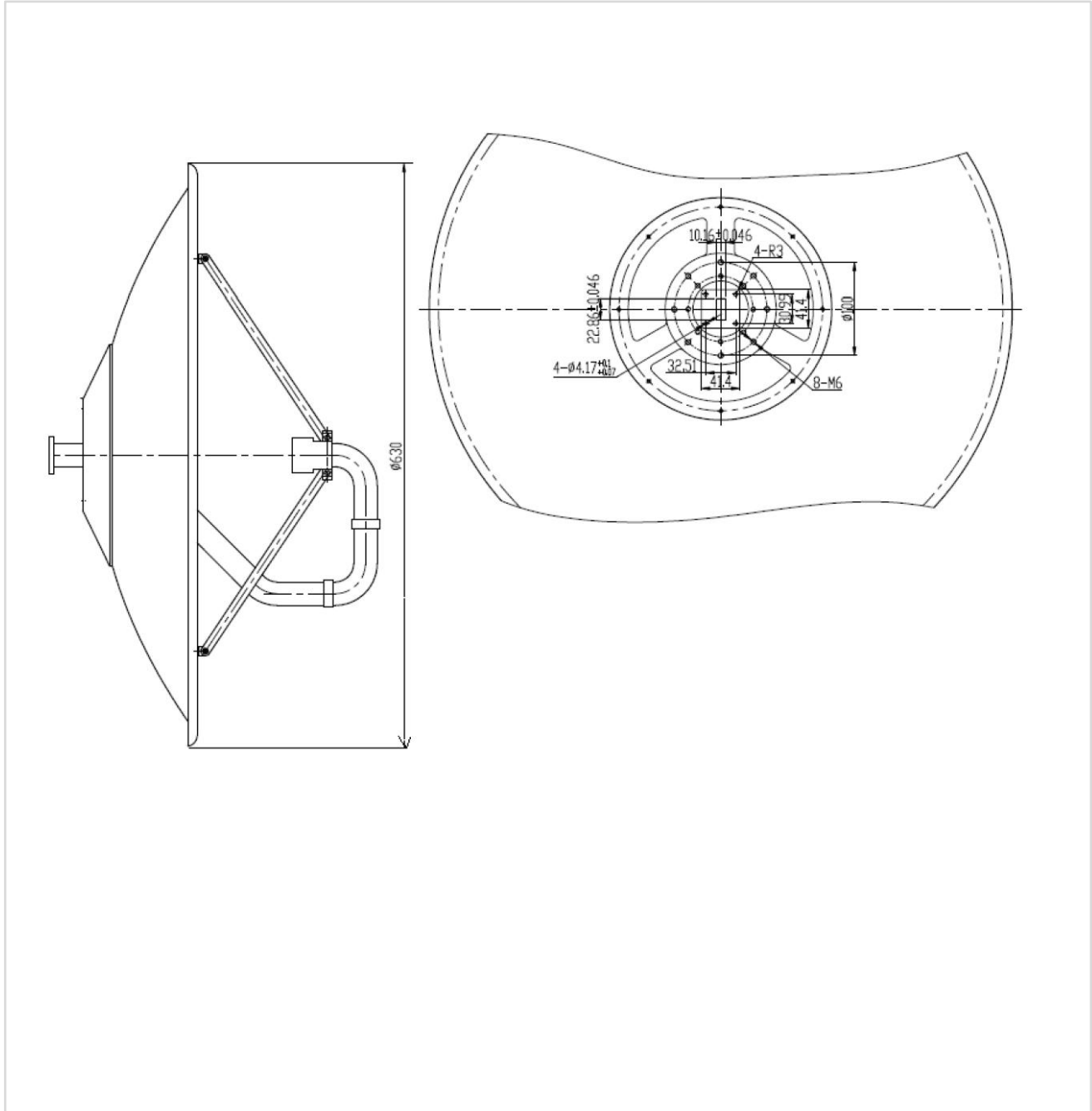
High Gain Parabolic Antenna 9.5 – 9.6GHz



Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.2 [0.008]



High Gain Parabolic Antenna 9.5 – 9.6GHz

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