

Model

HCCR18-70-NPA1

6.0 - 8.0 GHz
 XL-Band RHCP Widebeam Telemetry Horn Antenna
 with LNA & Premium Mounting Bracket

Features

- Right hand circular polarization
- Antenna sealed for outdoor use
- Antenna consists of machined aluminum and microwave-grade components for maximum radiation efficiency
- Antenna includes one XL-band LNA & one DC Power Supply mounted within integral compartment sealed for outdoor use



Options *(quoted separately)*

- Antenna Pattern Testing
- Antenna Pattern Test Report
- Foam lined transit cases for standard and optional equipment
- Environmental testing
- Custom mounting details, RF interface, and colors
- RFoF links and associated equipment

Specifications

Description	Value	Units	Type
Freq. Low	6	GHz	Min
Freq. High	8	GHz	Max
Gain, Midband	18	dBic	Nominal (See Notes)
On-axis Axial Ratio	1.5	dB	Max
On-axis Axial Ratio	1.0	dB	Typical
Power Handling	Rx Only		
RF Interface	Type N Female		
RF Interface Location	Behind aperture of antenna		
Finish, machined aluminum components	Chemical Conversion per MIL-DTL-5541F, Type 1, Class 1A, Color Gold		
Operate Wind Speed	70	MPH	Max
Survival Wind Speed	125	MPH	Max
Antenna/Mount Weight	22	LBS	Approximate

- Gain value specified above represents nominal passive antenna gain at midband; it does not include LNA Small Signal Gain values listed below.
- LNA Operating Frequency Range: 6.0 - 8.0 GHz.
- LNA Small Signal Gain: 35 dB min / 40 dB max.
- LNA Noise Figure: 1.1 dB max / 0.9 dB typical.

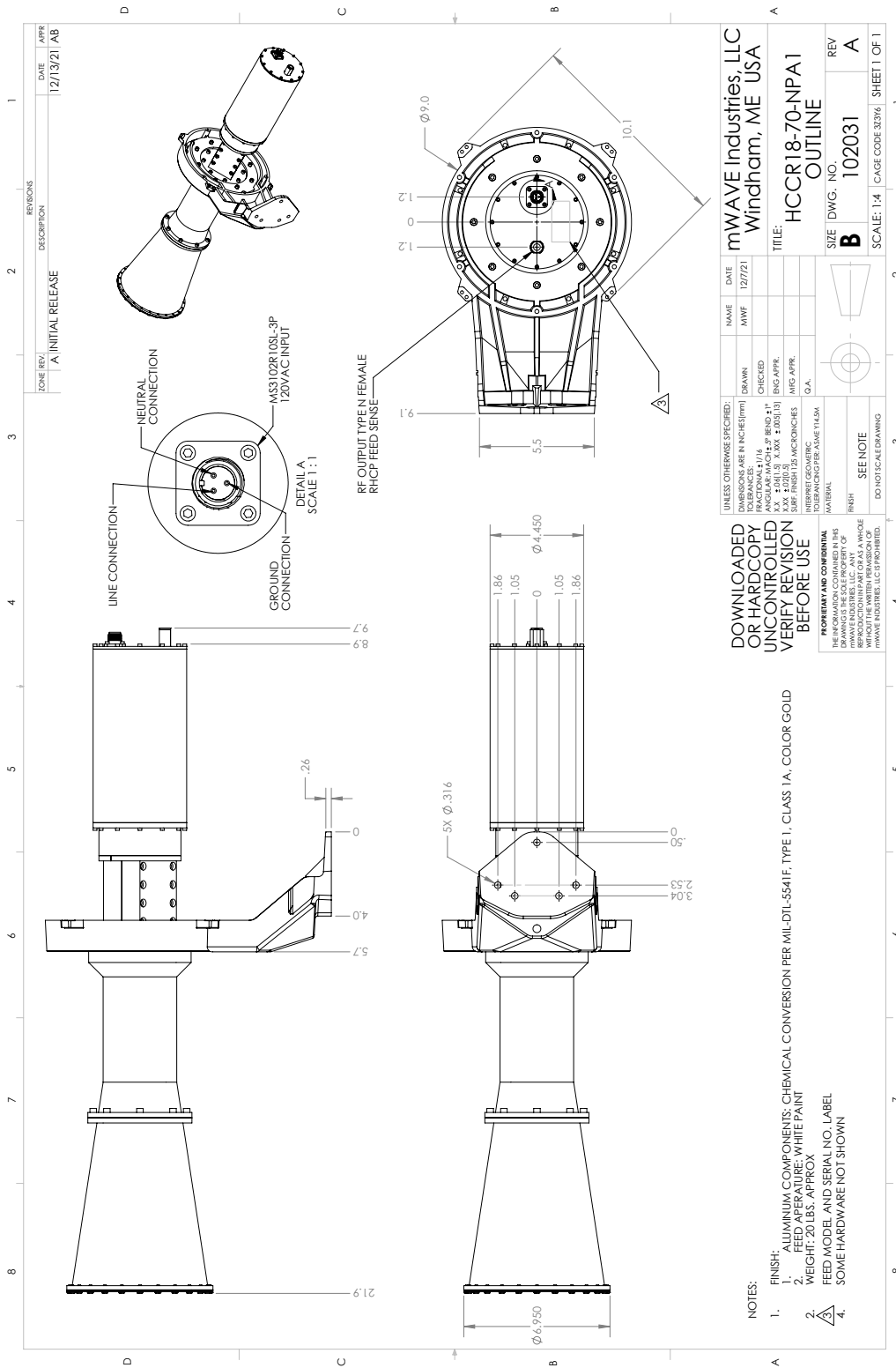
Notes: (1.) Survival and Operational wind ratings are based on a specific models mechanical configuration.
 (2.) Product specifications are subject to change without notice.

Designed, Engineered, and Manufactured in Windham, ME USA
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