

136 to 174 MHz Omni Antenna 5.5 dBi Gain, Spring NMO Connector, Stainless Steel

Fairview Microwave’s FMANOM1086 is a vertical polarized antenna that ships same day from our ISO 9001:2015 certified facility. This omni directional antenna has NMO male connectors. The FMANOM1086 is a single band antenna operating from 136 to 174 MHz with 5.5 dBi gain.

Fairview Microwave’s antenna with 136 to 174 MHz frequency range has a maximum input VSWR of 1.5:1. The FMANOM1086 antenna is made of stainless steel, an overall length of 53.54 in, width of 2 in, and weighs 0.66 lbs.

Use our on-line ordering system to purchase your FMANOM1086 antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Gain	5.5
Polarization	Vertical
Connector Type	NMO

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	136		174	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		5.5		dBi
Input Power			50	Watts

Mechanical Specifications

Radome Material	Stainless Steel
Size	
Length	53.54 in [135.99 cm]
Width	2 in [50.8 mm]
Height	2 in [50.8 mm]
Weight	0.66 lbs [299.37 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Features:

- Vertically Polarized
- 5.5 dBi Gain
- NMO Connector
- Stainless Steel
- 1.5:1 VSWR Max
- 50 Watt Max Input Power

Applications:

- Offroad/Overland Vehicles
- Mining/Industrial Heavy Equipment
- Commercial Trucking
- Fleet Management
- Farm Equipment

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

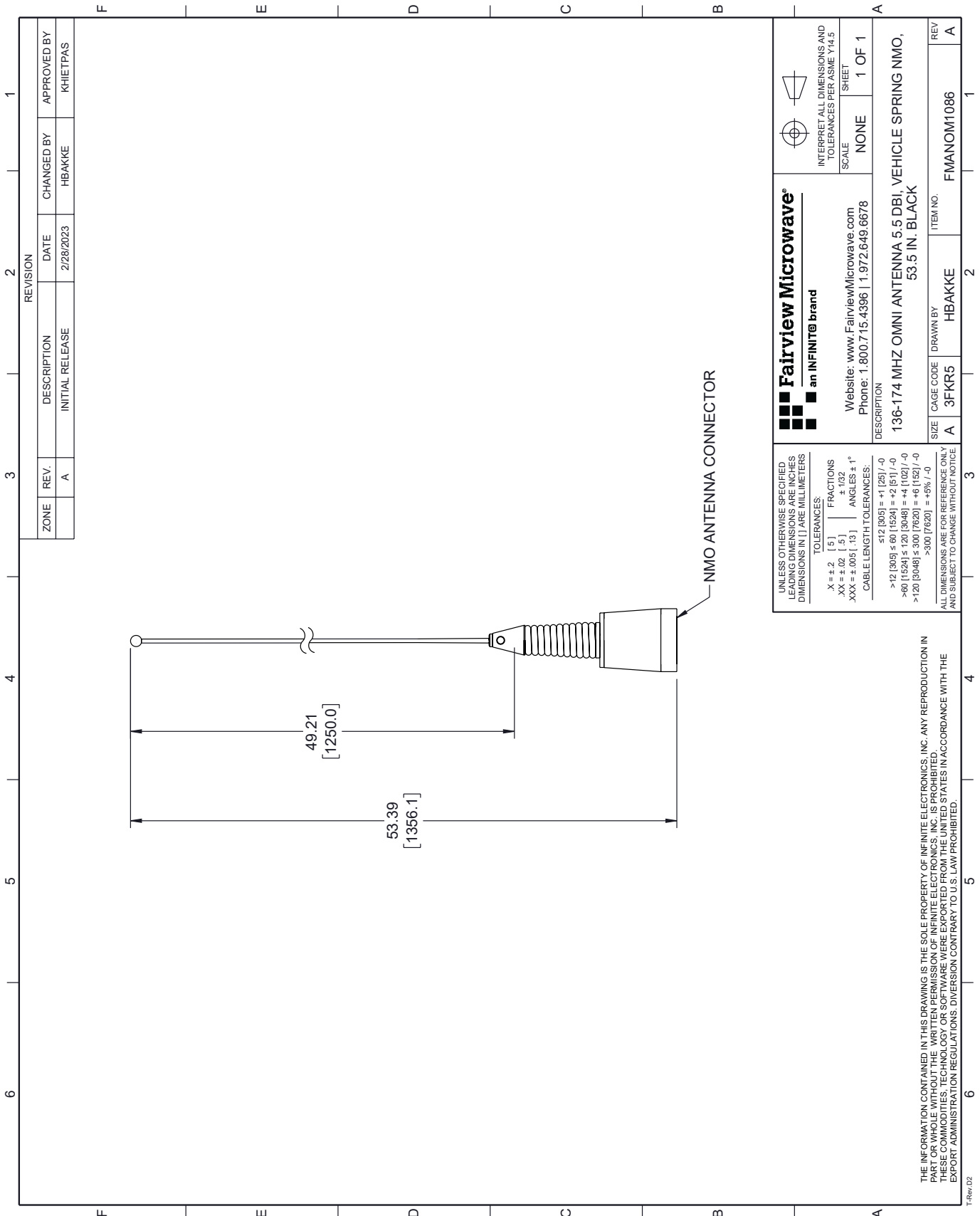
136 to 174 MHz Omni Antenna 5.5 dBi Gain, Spring NMO Connector, Stainless Steel from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [136 to 174 MHz Omni Antenna 5.5 dBi Gain, Spring NMO Connector, Stainless Steel FMANOM1086](#)

URL: <https://www.fairviewmicrowave.com/136-to-174-mhz-omni-antenna-5.5-dbi-gain-spring-nmo-connector-stainless-steel-reflector-fmanom1086-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





ZONE		REV.		DESCRIPTION		DATE		CHANGED BY		APPROVED BY	
	A			INITIAL RELEASE		2/28/2023		HBAKKE		KHIETPAS	

REVISION	
1	
2	
3	
4	
5	
6	

<p>Fairview Microwave an INFINIT[®] brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE SHEET: 1 OF 1</p>	
<p>DESCRIPTION: 136-174 MHZ OMNI ANTENNA 5.5 DBI, VEHICLE SPRING NMO, 53.5 IN. BLACK</p>			
SIZE: A	CAGE CODE: 3FKR5	DRAWN BY: HBAKKE	ITEM NO.: FMANOM1086
REV: A			

<p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X = ±.2 [.5] FRACTIONS .XX = ±.02 [.5] ±.132 .XXX = ±.005 [.13] ANGLES ± 1°</p> <p>CABLE LENGTH TOLERANCES:</p> <p>≤12 [305] = +1 [25] / -0 >12 [305] ≤ 60 [1524] = +2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0</p>	<p>ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE</p>
--	---

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.