

1.8 dBi, CB Rubber Duck Antenna, 28 MHz, BNC Connector, Vertical Polarization

Description

The FMANRBD1012 rubber duck antenna from Fairview is part of our extensive line of directional antennas that we offer with global same-day shipping from our facilities certified to ISO 9001:2015. Fairview's high-quality single-band rubber duck antenna has a 1.8 dBi nominal gain and can be procured with no order limit. This rubber duck single-band 1.8 dBi antenna has a maximum frequency of 28 MHz.

We lead the industry in supplying products like this 28 MHz single-band antenna, along with other RF, microwave, and millimeter wave components. This rubber duck antenna from Fairview uses a BNC connector and has a maximum input power of 20 watts. Use our single-band rubber duck antenna with vertical polarization for marine radio and inshore communications, trunking for two-way radio communications, citizen band, and PtP or PtMP applications.

Fairview's rubber duck antenna with 1.8 dBi gain has a BNC-type connector. This BNC-series connectorized omnidirectional antenna is 0.5 inches tall, 0.5 inches wide, and 9.05 inches long. The FMANRBD1012 CB antenna has 360-degrees of horizontal and 90-degrees of vertical HPBW. Our high-quality antenna has a maximum input VSWR (voltage standing wave ratio) of 2:1.

Fairview's 50 Ohms impedance antenna can operate at temperatures ranging from -40 °C to 60 °C. This single-band rubber duck antenna is offered with expert technical support, PDF datasheets, and CAD drawings with dimensions and specifications. Order your 1.8 dBi CB rubber duck antennas now and enjoy our international or domestic same-day shipping.

Configuration

Design	Rubber Duck
Gain	1.8
Polarization	Vertical
Connector Type	BNC

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	26.8		28	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		1.8		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		90		Degrees
Input Power			20	Watts



Features:

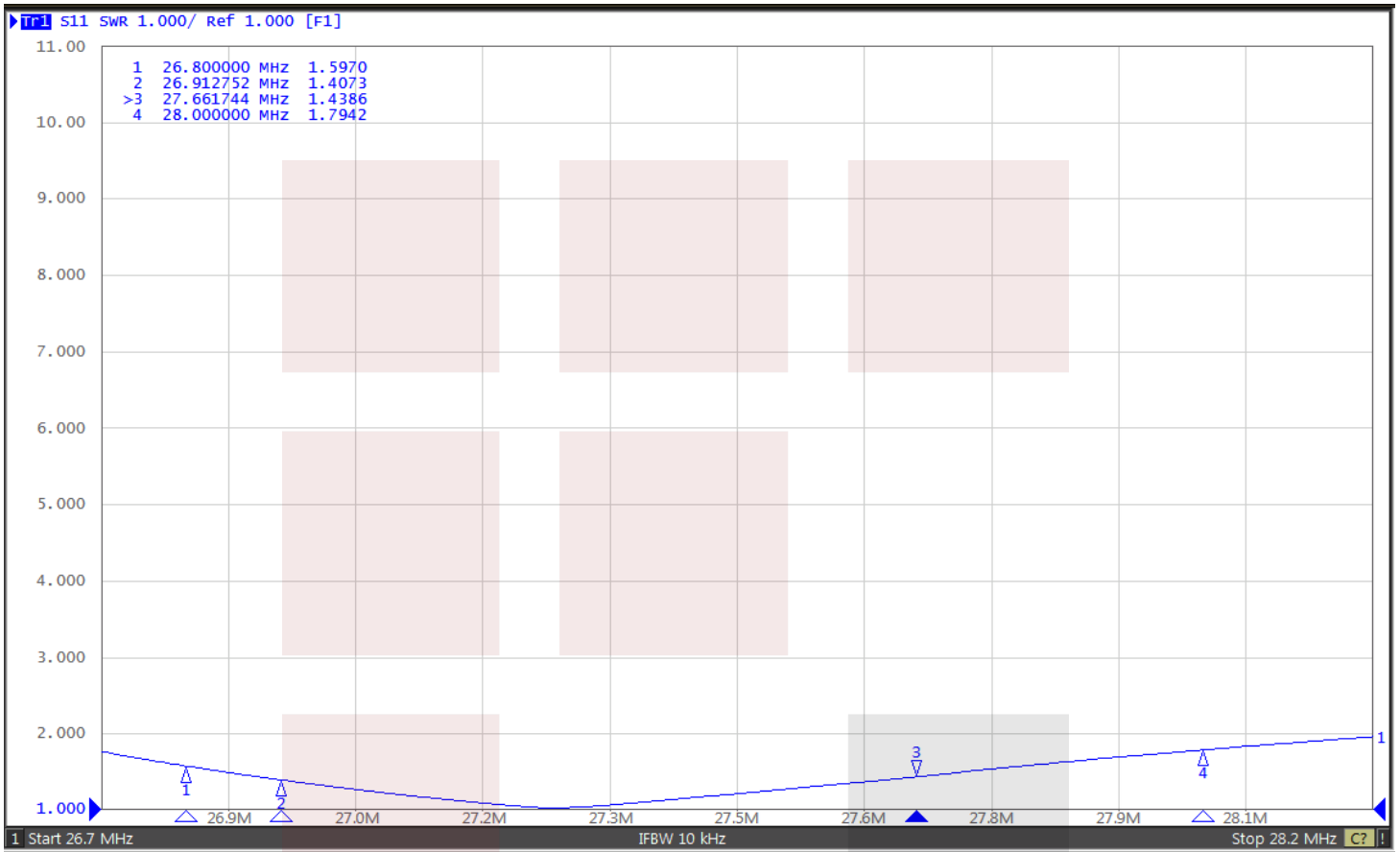
- 28 MHz, 1.8 dBi Gain
- BNC connector
- Telescopic radiator
- Plug and play
- 20W power handling
- VSWR < 2:1
- Vertical polarization

Applications:

- PtP or PtMP applications
- Trunking for two-way radio comms
- Marine radio comms
- Citizen Band applications
- Inshore comms

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VSWR plot:



Mechanical Specifications

Radome Material: Copper

Size

Length: 9.05 in [229.87 mm]
 Width: 0.5 in [12.7 mm]
 Height: 0.5 in [12.7 mm]
 Weight: 5.1 lbs [2.31 kg]

Environmental Specifications

Temperature

Operating Range: -40 to +60 deg C

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

Plotted and Other Data

Notes:

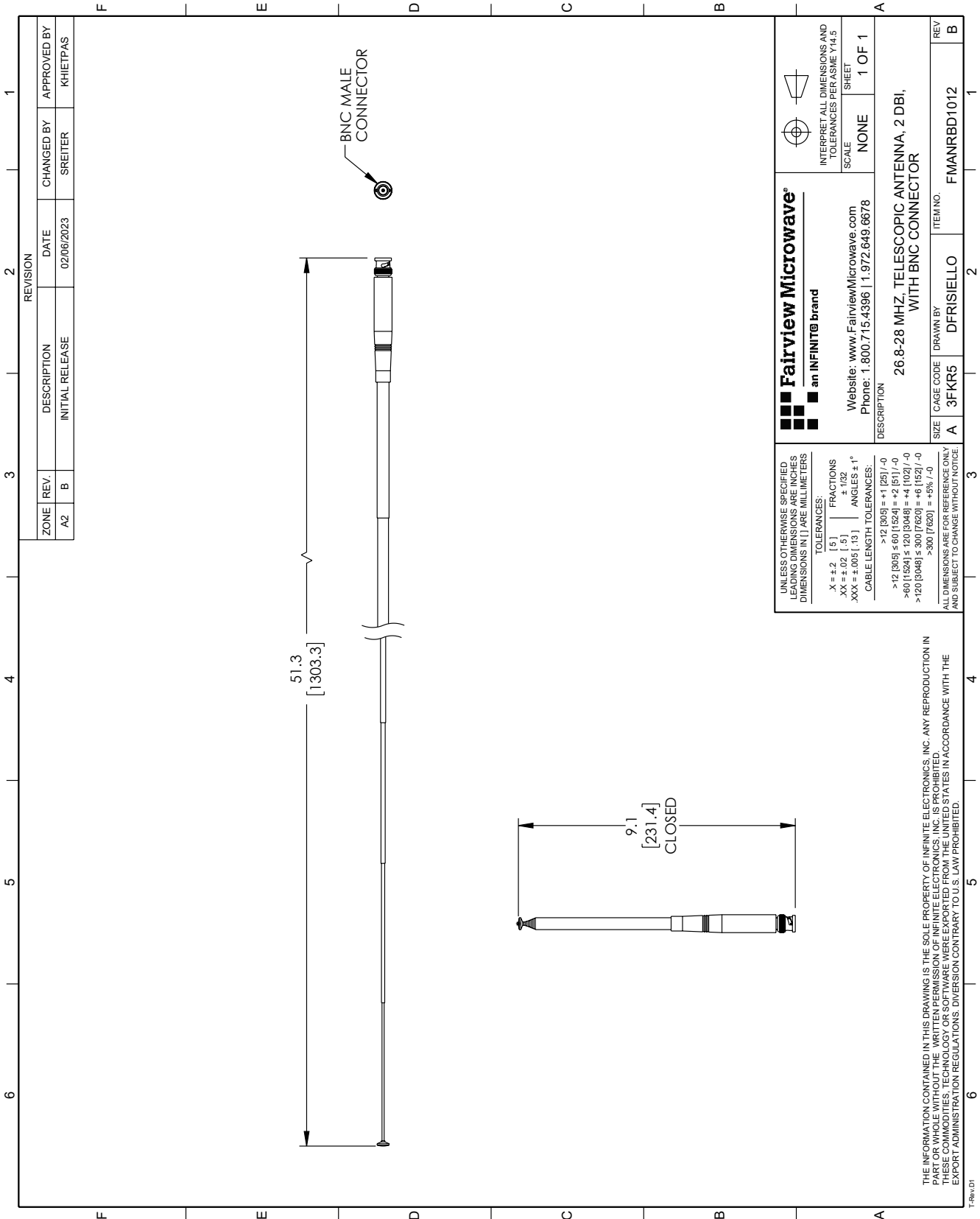
1.8 dBi, CB Rubber Duck Antenna, 28 MHz, BNC Connector, Vertical Polarization from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [1.8 dBi, CB Rubber Duck Antenna, 28 MHz, BNC Connector, Vertical Polarization FMANRBD1012](#)

URL: <https://www.fairviewmicrowave.com/1.8-dbi-cb-rubber-duck-antenna-28-mhz-bnc-connector-vertical-polarization-fmanrbd1012-p.aspx>

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REVISION		DATE	CHANGED BY	APPROVED BY
ZONE	REV.	DESCRIPTION	INITIAL RELEASE	
A2	B			KHIETPAS

<p>Fairview Microwave an INFINIT[®] brand</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>
<p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>SCALE: NONE SHEET: 1 OF 1</p>
<p>DESCRIPTION: 26.8-28 MHZ, TELESCOPIC ANTENNA, 2 DBI, WITH BNC CONNECTOR</p>		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	FMANRBD1012
REV	REV	
B	B	

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND DIMENSIONS IN LARGE MILLIMETERS.

TOLERANCES:

.X = ±.2 [5] FRACTIONS ± .152
 .XX = ±.02 [.5] ANGLES ± 1°
 .XXX = ±.005 [.13]

CABLE LENGTH TOLERANCES:

>12 [305] ≤ 60 [1524] = +1 [25] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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