

**Whip Antenna Operates From 698 MHz to 870 MHz
 With a Nominal 2 dBi Gain MD Male Input Connector
 IP67 Rated**

Fairview Microwave's ¼ wave portable omni whip antennas feature a textured black finish and a strain-relief base to ensure durability and repeatable RF performance. Our ¼ wave portable omni whip antennas are available with operating frequencies as low as 400 MHz and as high as 960 MHz. These antennas are offered with gain ranges from unity to 2 dBi. The omni-directional radiation pattern and IP67 rating make these antennas ideal for mobile radio communications.

- Operating frequencies from 400 MHz to 960 MHz
- Gain ranges from unity to 2 dBi
- VSWR less than 2: 1, in most cases
- 50 Ohm Impedance
- IP67 Rated
- Variety of connector types available (SMA Female, MX, or MD) for use in many portable handheld radio applications. See below for common brand & connector combinations.
- MX (1/4-32 x 7/32) – Commonly used in: Motorola, Radius, Saber, Saber+, Spirit, Expo, Kenwood, Maxon, Midland, Wilson, GE Monogram, and Vertex Standard.
- MD (M7 x 1.0) – Commonly used in: GE
- SMA Female (SF) – Commonly used in: Motorola, Visar, and Kenwood



Features:

- Design: Whip Portable
- Frequency Range: 698 to 870 MHz
- Polarization: Vertical
- Interface 1: MD Male
- Number of Output Ports: 1

Electrical Specifications*

| Description | Min | Typ | Max | Units |
|--------------|-----|-----|-------|-------|
| Frequency | 698 | | 870 | MHz |
| Impedance | | 50 | | Ohms |
| Nominal Gain | 2 | | | dBi |
| Input VSWR | | | 2.2:1 | |

* Values at 25°C, sea level

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 4.29 in [108.97 mm] |
| Width | 0.58 in [14.73 mm] |
| Weight | 0.033 lbs [14.97 g] |

Environmental Specifications

| | |
|--------------------|------------------|
| Temperature | |
| Operating Range | -20 to +65 deg C |
| Environment | IP67 |

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Plotted and Other Data

- Notes:
- Values at 25 °C, sea level

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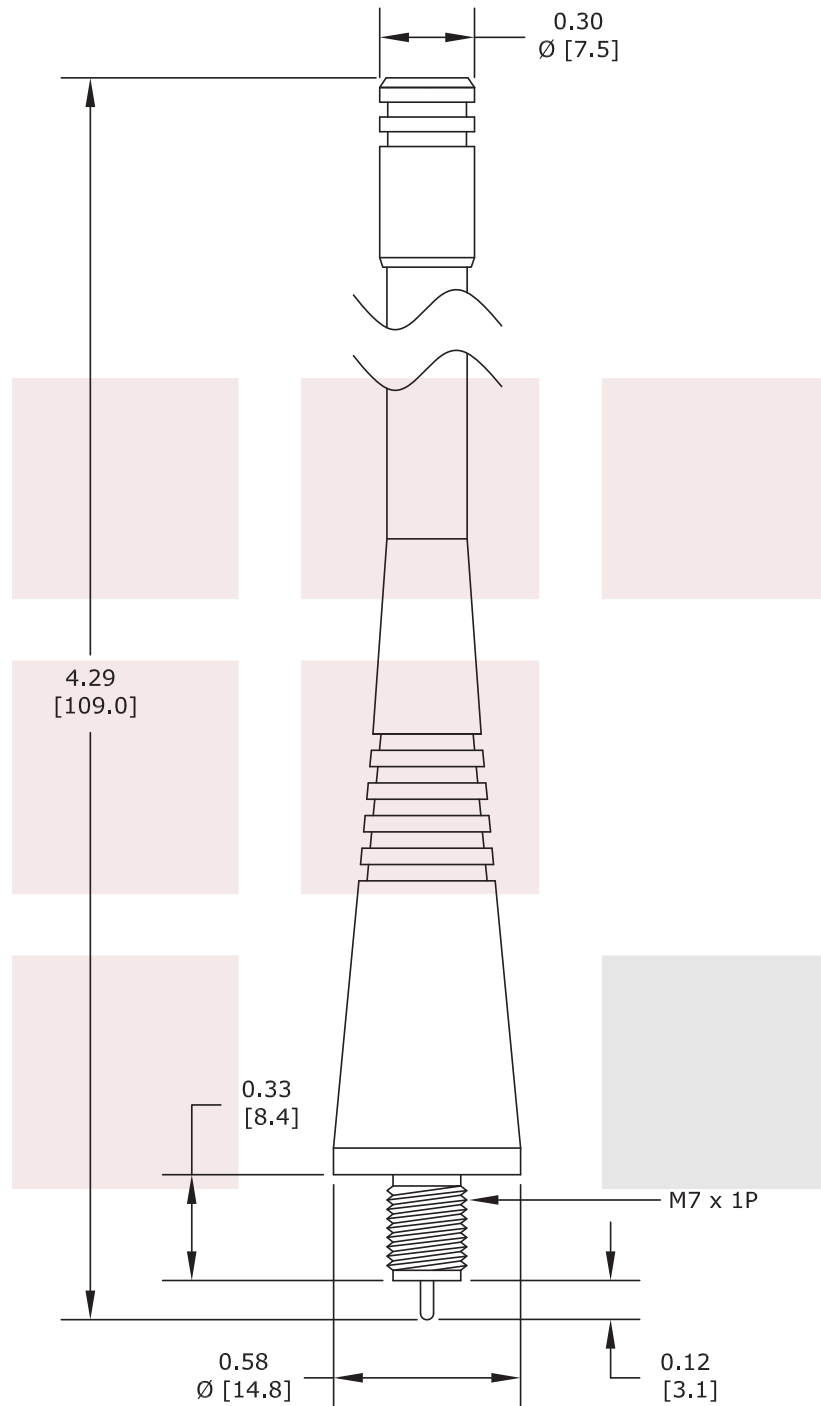
Whip Antenna Operates From 698 MHz to 870 MHz With a Nominal 2 dBi Gain MD Male Input Connector IP67 Rated from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Whip Antenna Operates From 698 MHz to 870 MHz With a Nominal 2 dBi Gain MD Male Input Connector IP67 Rated FMAN51150](#)

URL: <http://www.fairviewmicrowave.com/whip-antenna-2-dbi-md-male-fman51150-p.aspx>

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NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

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|----------|-----------|-------|-----------|-----|-------------|
| DWG NO | FMAN51150 | | CAGE CODE | | 3FKR5 |
| CAD FILE | 111414 | SHEET | SCALE | N/A | SIZE A 2233 |