

## 915 to 918 MHz Permanent Mount Mini Antenna Right Angle Solder Post



### FMANRBD1058

#### Features

- 915 MHz to 918 MHz
- -0.5 dBi Gain
- Right Angle Solder Post connector
- Embedded Through Hole
- VSWR 2:1
- Linear polarization

#### Applications

- LPWAN
- ISM
- LoRaWAN
- Sigfox
- Weightless-P
- WiFi HaLow
- Fixed and Mobile Devices

#### Description

The FMANRBD1058 is a high-quality single-band permanent mount mini antenna with -0.5 dBi nominal gain and has a frequency range of 915 MHz to 918 MHz. Fairview Microwave's omnidirectional embedded through hole permanent mount mini antenna is 0.6 inches tall and 0.5 inches wide.

The FMANRBD1058 permanent mount mini antenna from Fairview Microwave features a Right Angle Solder Post connector with an input VSWR (voltage standing wave ratio) of 2:1.

Fairview Microwave's linearly polarized antenna can operate at temperatures ranging from -40 °C to 60 °C. This single-band permanent mount mini antenna is offered with expert technical support, PDF datasheets, and CAD drawings with dimensions and specifications.

#### Configuration

Design	Embedded Through Hole
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Linear
Connector Type	Solder Post

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	915		918	MHz
Center Frequency		916		MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		-0.5		dBi

#### Mechanical Specifications

Radome Material TPEEL630

#### Size

Length 6 in [152.4 mm]  
Width 0.5 in [12.7 mm]  
Height 0.5 in [12.7 mm]  
Weight 0.2 lbs [90.72 g]

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#### Environmental Specifications

<b>Temperature</b>	
Operating Range	-20 to +60 deg C
Storage Range	-30 to +70 deg C

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

#### Plotted and Other Data

Notes:

#### Typical Radiation Pattern

#### Appendix

**Electrical Downtilt:** Angle in the antenna's elevation pattern in which the maximum gain occurs.

**Gain:** Antenna's average gain.

**Front to Back Ratio @ 180°±30°:** Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

**Cross-polarization Ratio (dB):** Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

915 to 918 MHz Permanent Mount Mini Antenna Right Angle Solder Post 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.

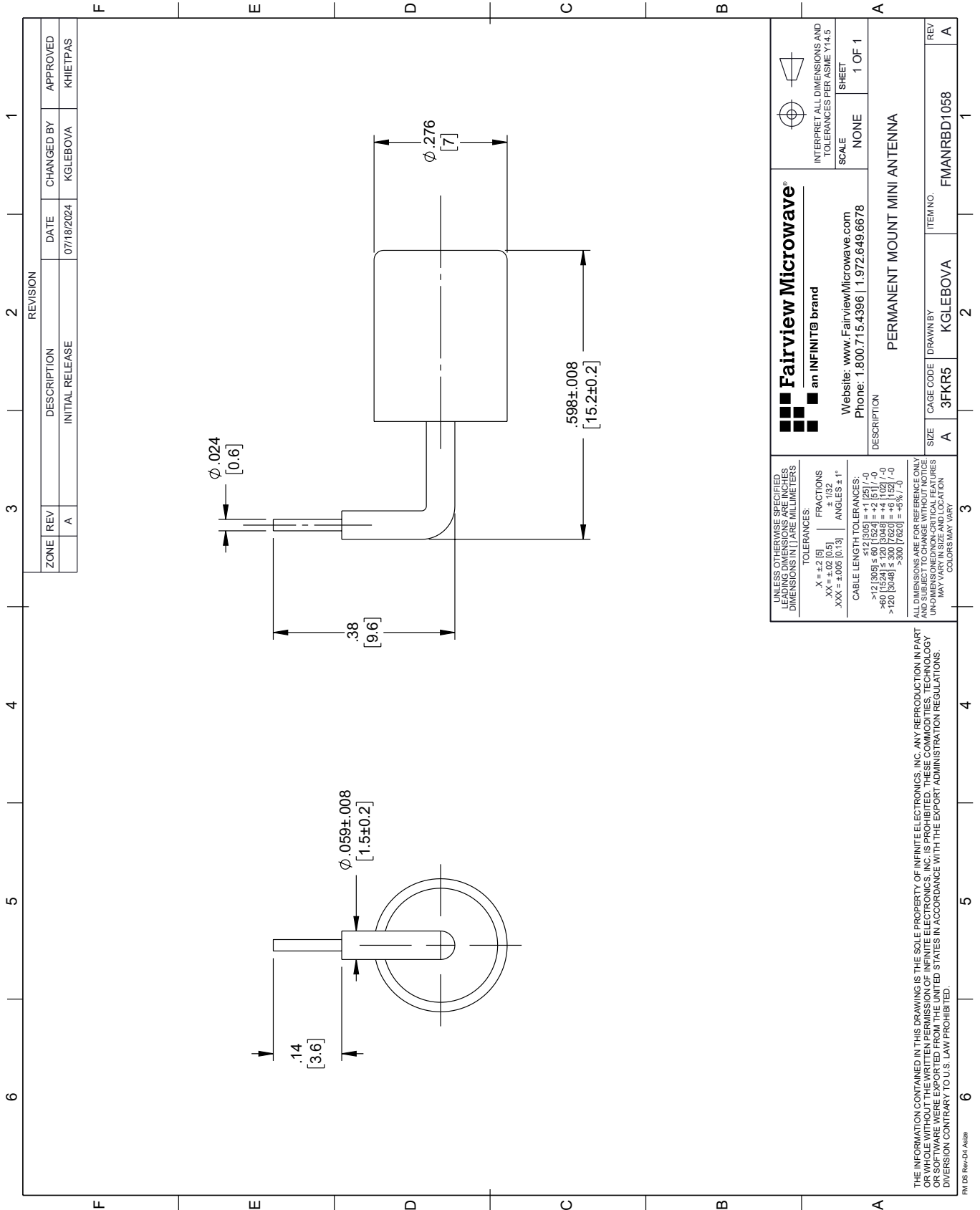
For additional information on this product, please click the following link: [915 to 918 MHz Permanent Mount Mini Antenna Right Angle Solder Post FMANRBD1058](#)

URL: <https://www.fairviewmicrowave.com/915-918-mhz-perm-mnt-mini-antennas-right-angle-solder-post-fman-rbd1058-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

# FMANRBD1058 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	07/18/2024	KGLEBOVA	KHIEPPAS

 <b>Fairview Microwave</b> an INFINIT® brand		Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION: PERMANENT MOUNT MINI ANTENNA			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	KGLEBOVA	FMANRBD1058
REV			A

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]      FRACTIONS ± 1/32  
 .XX = ±.02 [0.5]      ANGLES ± 1°  
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:  
 ≤ 12 [305] ± .60 [15.24] = ±.2 [5.1] / -0  
 > 12 [305] ≤ 60 [1524] = ±.4 [10.2] / -0  
 > 60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0  
 > 120 [3048] ≤ 300 [7620] = ±.6 [15.2] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. COLORS MAY VARY.

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FM DS Rev-D4 Alt2b