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

Temperature

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

FMANRBD1058 CAD Drawing

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