

## 2.4 to 2.5 GHz Permanent Mount Mini Antenna Solder Post



### LCANRBD1068

#### Features

- 2400 MHz to 2500 MHz
- -1.5 dBi Gain
- Solder Post connector
- Embedded Through Hole
- VSWR 2:1
- Linear polarization

#### Applications

- 2.4 GHz ISM
- Bluetooth
- ZigBee
- IEEE 802.11b/g
- IEEE 802.15.4
- Fixed and Mobile Devices

#### Description

The LCANRBD1068 is a high-quality single-band permanent mount mini antenna with -1.5 dBi nominal gain and has a frequency range of 2400 MHz to 2500 MHz. L-com's omnidirectional embedded through hole permanent mount mini antenna is 0.7 inches tall and 0.28 inches wide.

The LCANRBD1068 permanent mount mini antenna from L-com features a Solder Post connector with an input VSWR (voltage standing wave ratio) of 2:1.

L-com'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	2,400		2,500	MHz
Input VSWR			2:1	
Impedance	50			Ohms
Gain	-1.5			dBi

#### Mechanical Specifications

Radome Material	TPEEL630
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#### Size

Length	0.7 in [17.78 mm]
Width	0.28 in [7.11 mm]
Height	0.28 in [7.11 mm]
Weight	0.2 lbs [90.72 g]

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#### Environmental Specifications

##### Temperature

Operating Range  
Storage Range

-20 to +60 deg C  
-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  $\pm 30^\circ$  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.

2.4 to 2.5 GHz Permanent Mount Mini Antenna Solder Post from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/2.4-2.5-ghz-perm-mnt-mini-antenna-solder-post-lcanrbd1068-p.aspx>

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# LCANRBD1068 CAD Drawing

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