

860 to 875 MHz Permanent Mount Mini Antenna Solder Post

LCANRBD1064



Features

- 860 MHz to 875 MHz
- -0.5 dBi Gain
- 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 LCANRBD1064 is a high-quality single-band permanent mount mini antenna with -0.5 dBi nominal gain and has a frequency range of 860 MHz to 875 MHz. L-com's omnidirectional embedded through hole permanent mount mini antenna is 0.7 inches tall and 0.27 inches wide.

The LCANRBD1064 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	860		875	MHz
Center Frequency		868		MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		-0.5		dBi

Mechanical Specifications

Radome Material	TPEEL630
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Size

Length	0.7 in [17.78 mm]
Width	0.27 in [6.86 mm]
Height	0.27 in [6.86 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.

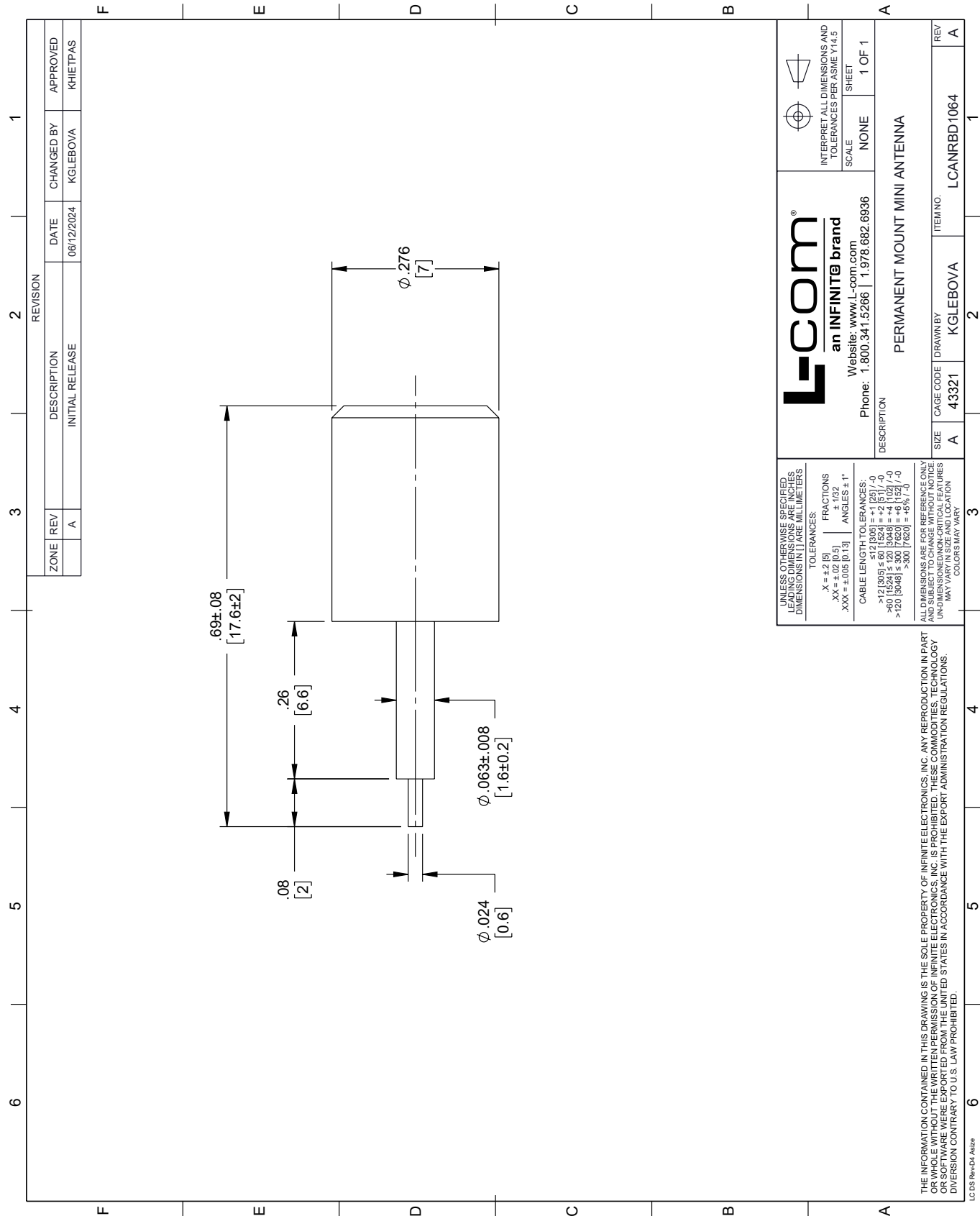
860 to 875 MHz Permanent Mount Mini Antenna Solder Post from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/860-875-mhz-perm-mnt-mini-antennas-solder-post-lcanrbd1064-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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

LCANRBD1064 CAD Drawing

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UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS.		L-com® an INFINITE brand Website: www.L-com.com Phone: 1.800.341.5266 1.978.682.6936		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		SCALE		SHEET	
X = ±.2 [5]		NONE		1 OF 1	
XX = ±.02 [0.5]					
XXX = ±.005 [0.13]					
ANGLES ± 1°					
CABLE LENGTH TOLERANCES:					
>12 [305] ≤ 60 [1524] = ±.12 [3]					
>60 [1524] ≤ 120 [3048] = ±.12 [3]					
>120 [3048] ≤ 300 [7620] = ±.12 [3]					
>300 [7620] = ±.12 [3]					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.					
DESCRIPTION		PERMANENT MOUNT MINI ANTENNA			
SIZE		CAGE CODE		ITEM NO.	
A		43321		LCANRBD1064	
DRAWN BY		KGLEBOVA		REV	
A		1		A	

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