

## 650 MHz to 3.31 GHz LTE Antenna, Tilt and Swivel, Monopole, SMA Male Connector

### KPANRBD1053



#### Features

- 650-960 / 1937-2498 / 3310 MHz, 1 dBi Gain
- SMA male connector
- Plug and play
- VSWR < 3:1
- Vertical polarization
- Monopole antenna

#### Applications

- LMR and Public Safety
- Wireless communications
- IOT sensors and trackers
- Wireless microphones
- Remote control
- Industrial monitoring
- Amateur radio
- 2.4 GHz Wi-Fi and ISM applications
- 802.11 a/b/g/n/ax, wireless hotspots
- 5G bands: n5, n8, n12, n13, n14, n18, n20, n26, n28, n30, n34, n40, n53, n65, n71, n81, n82, n83, n85, n89, n91, n92, n93, n94, n95, n97, n100, n105
- 4G LTE bands: B1, B4, B5, B6, B8, B12, B13, B14, B17, B18, B19, B20, B23, B26, B27, B28, B30, B34, B36, B40, B68, B71, B85

#### Description

The KP performance KPANRBD1053 is a 650 MHz to 3.31 GHz LTE antenna that is ideal for LMR, public safety, security, construction, wireless communications, IOT sensors, IOT trackers, wireless microphones, remote control, industrial monitoring and data transmission, amateur radio, WISP, 5G wireless network, Bluetooth, RFID, 2.4 GHz Wi-Fi and ISM applications. This IP65-rated tilt and swivel antenna has a black radome. Our antenna is 0.39 inches wide, 3.09 inches long and 0.39 inches tall.

These omni antennas have a waterproof design, vertical polarization and a SMA type male connector. This IP65-rated KPANRBD1053 antenna transmits high-power signals, increasing the signal strength, thus providing improved coverage, better-broadcast control and faster speed. KP performance monopole antenna has no gain for the 650 MHz to 3.31 GHz frequency range. Our black colored omnidirectional antenna functions between -20 to 65 degrees C and has 50 ohms impedance.

The SMA male connector on the communication antenna enables it to be used vertically. KP Performance antennas have a sturdy outdoor design, a high power handling capacity, and all of their components are DC grounded for lightning safety. Our high-quality KPANRBD1053 omnidirectional antenna has a maximum input VSWR of 2:1, which results in the best power transfer and reduced losses.

The KP performance has one of the largest in-stock collections of omni directional antennas for all your critical equipment and power sources. Quickly make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the 650 MHz to 3.31 GHz LTE antenna as per your requirements.

#### Configuration

Design	Rubber Duck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	SMA Male

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[650 MHz to 3.31 GHz LTE Antenna, Tilt and Swivel, Monopole, SMA Male Connector KPANRBD1053](#)

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**KPANRBD1053**



Frequency Range	650	3,310	MHz
Impedance	50		Ohms
Input Power	10		Watts

**Specifications by Band**

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.65 to 0.96	1.973 to 2.498	3.31			GHz
Gain	0	1	1.3			dBi
VSWR Max	3:01	3:01	1.7:1			

**Mechanical Specifications**

Radome Material	ABS
<b>Size</b>	
Length	3.09 in [78.49 mm]
Width	0.39 in [9.91 mm]
Height	0.39 in [9.91 mm]
Weight	0.01804 lbs [8.18 g]

**Environmental Specifications**

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

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

IP Rating	IP65
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**Plotted and Other Data**

Notes:

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## 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.

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URL: <https://www.kpperformance.com/650-mhz-to-3310-mhz-lte-antenna-sma-male-connector-kpanrbd1053-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. KP Performance reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. KP Performance does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and KP Performance does not assume liability arising out of the use of any part or document.

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## KPANRBD1053 CAD Drawing

