

2.4 GHz-2.5 GHz / 5.1 GHz-7.1 GHz, 2.5-3.5 dBi WiFi 6e Tilt and Swivel Rubber Duck Antenna  
- Reverse Polarity SMA (RP-SMA) Male Connector



**HG247103RD-RSP**

**Features**

- Tilt and Swivel Design
- 2.4 GHz, 5 GHz, 6 GHz and 7 GHz Bands
- Reverse Polarity SMA (RP-SMA) Male Connector
- 2.5 to 3.5 dBi Gain

**Applications**

- Infotainment Systems, Routers, WiFi Hotspots, HD Video Transmission, Gateways, Dash Cameras, Public Transportation
- WiFi 6e (802.11ax) Networks
- Connected Cars or Self-Driving Cars, Fleet Management, Logistics
- IoT, Cellular, Zigbee, Z-Wave, Bluetooth

**Description**

The L-com HG247103RD-RSP WiFi 6e Rubber Duck Antenna is a high performance, compact designed for 2.4, 5, 6 and 7 GHz bands. This tilt and swivel rubber duck antenna is available to ship the same day. It features a Reverse Polarity SMA (RP-SMA) Male Connector. The HG247103RD-RSP can be used on all consumer radios that have Reverse Polarity SMA connections. This RP-SMA rubber duck is suitable for WiFi Hotspots (IEEE 802.11ax/ac/n/b/g) as well as IoT, Zigbee and Bluetooth.

The high performance HG247103RD-RSP from L-com provides 3 dBi of gain and broad coverage. This WiFi 6e 2400 to 7125 MHz rubber duck antenna, as well as our wide selection of superior quality RF parts, ships same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

**Configuration**

Design	Portable
Band Type	Single
Radiation Pattern	Omni Directional
Wavelength	1/2
Polarization	Vertical
Connector Type	SMA Male Reverse Polarity
Housing Material and Plating	ABS, Black

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		7,125	MHz
Input VSWR		1.4:1	1.7:1	
Impedance		50		Ohms
Gain	2.6	3		
Input Power			5	Watts

**Mechanical Specifications**

Housing Material	ABS
Housing Plating/Color	Black

**Size**

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-30 to +65 deg C

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## HG247103RD-RSP

**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.

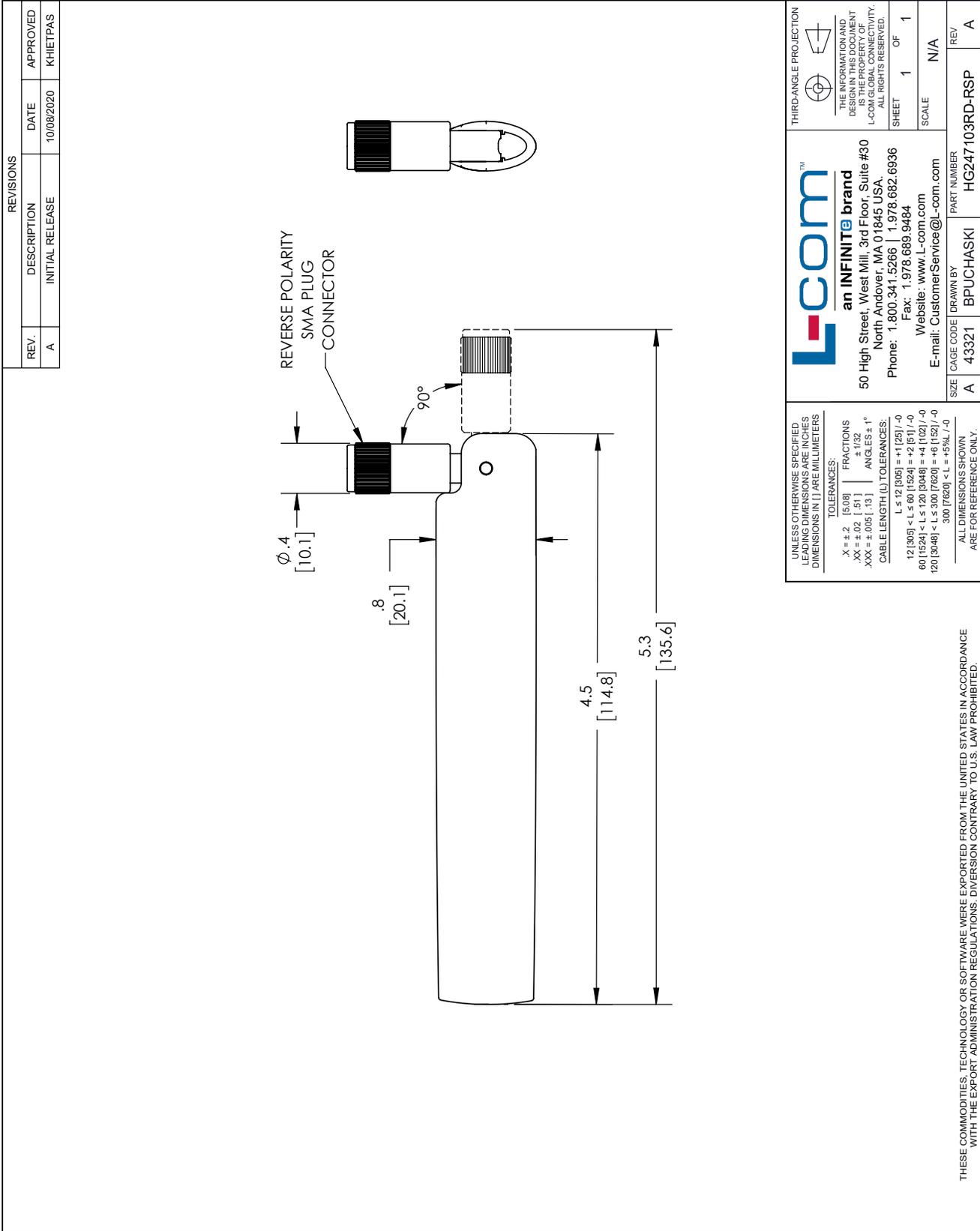
2.4 GHz-2.5 GHz / 5.1 GHz-7.1 GHz, 2.5-3.5 dBi WiFi 6e Tilt and Swivel Rubber Duck Antenna - Reverse Polarity SMA (RP-SMA) Male Connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as 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-ghz-2.5-ghz-5.1-ghz-7.1-ghz-2.5-3.5-dbi-wifi-6e-tilt-swivel-rubber-duck-antenna-reverse-polarity-sma-rp-sma-male-connector-hg247103rd-rsp-p.aspx>

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# HG247103RD-RSP CAD Drawing

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X = ±.2 [5.08]  
 .XX = ±.02 [ .51 ] ±.1/32  
 .XXX = ±.005 [ .13 ] ANGLES ± 1°  
 CABLE LENGTH (L) TOLERANCES:  
 L ≤ 12 [305] = +1 [25] / -0  
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
 300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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 SHEET 1 OF 1  
 SCALE N/A

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SIZE	CAGE CODE	DRAWN BY	PART NUMBER
A	43321	BPUCHASKI	HG247103RD-RSP

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