

4 dBi MultiBand Rubber Duck Portable Antenna 700-2700 MHz SMA Connector

The FM51RD1028 4G Right Angle Rubber Duck Antenna from Fairview Microwave is a high performance omnidirectional "rubber-duck" antenna. This rubber duck is designed for the 698 MHz to 2700 MHz bands and is available to ship same day. It features a RIGID 90° right angle SMA-Plug (male) connector. This right angle SMA allows the FM51RD1028 to be mounted directly to terminals and other fixed radios. It is a coaxial sleeve design with an omni-directional pattern. The FM51RD1028 is ideally suited for 4G, LTE, IoT, Zigbee, Z-Wave and Bluetooth bands.

The Fairview Microwave high performance rubber-duck FM51RD1028 is a rubber coated RIGID antenna providing broad coverage and 0-3 dBi gain. This SMA male rubber duck is suitable for commercial radios in public and private 4G and Cellular networks that are equipped with SMA female connectors. Fairview Microwave's FM51RD1028 supports 700, 800, 850, 900, 1800, 2100, 2400, and 2600 MHz bands.

This 4G 698 MHz to 2700 MHz rubber duck antenna with a SMA male connector, 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 Fairview Microwave products.

Configuration

Design	Portable
Gain	0 to 4 dBi
Polarization	Vertical
Connector Type	SMA Male

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	700		2,700	MHz
Input VSWR		2:1	2.5:1	
Impedance		50		Ohms
Gain	0	4		dBi
Input Power			2	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.7-0.96	1.71-2.17	2.5-2.7			GHz
Gain	0	4	2			dBi
VSWR	3:1	2.5:1	2.5:1			

Mechanical Specifications

Radome Material	ABS
Size	
Length	0.65 in [16.51 mm]
Width	0.65 in [16.51 mm]
Height	2.25 in [57.15 mm]
Weight	0.011 lbs [4.99 g]



Features:

- IP67 Weatherproof Rating for Rugged Environments
- Rubber Coated Brass Dipole
- 0 to 4 dBi Gain
- 90° SMA Right Angle Connector

Applications:

- Infotainment Systems, Routers, WiFi Hotspots, HD Video Transmission, Gateways, Dash Cameras, Public Transportation
- Connected Cars or Self-Driving Cars, Fleet Management, Logistics
- 4G & 5G Networks
- 700, 850, 900, 1800, 1900, 2100, 2600 MHz Bands
- IoT, Cellular, Zigbee, Z-Wave, Bluetooth

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Environmental Specifications

Temperature

Operating Range -20 to +65 deg C
Storage Range -20 to +65 deg C

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

Plotted and Other Data

Notes:

4 dBi MultiBand Rubber Duck Portable Antenna 700-2700 MHz SMA Connector 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: [4 dBi MultiBand Rubber Duck Portable Antenna 700-2700 MHz SMA Connector FM51RD1028](#)

URL: <https://www.fairviewmicrowave.com/multi-antenna-700-mhz-2.7-ghz-4-dbi-gain-sma-fm51rd1028-p.aspx>

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