

900 MHz 8 dBi LH Circular Polarized Patch Antenna

The Fairview Microwave model FM51FP1007 series are high performance left hand circular polarized wall mount panel antennas designed to operate in the 900 MHz (860-960 MHz) band. These antennas feature circular polarization which makes them ideal for RFID applications. Compact and low profile, the FM51FP1007 antennas feature 8dBi of gain with a 65° beam width. Right-Hand versions are also available, the FM51FP1008 series.

Configuration

Design	Panel
Gain	8 to 8 dBi
Polarization	LHCP
Cable Type	Coax lead
Cable Length	48 in [121.92 cm]
Connector Type	N Male
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR		1.5:1		
Impedance		50		Ohms
Gain		8		dBi
Input Power			25	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.902-0.928					GHz
Gain	8					dBi
Horiz. Beam Width	65					Degrees
Vert. Beam Width	65					Degrees
Max Input Power	25					Watts

Mechanical Specifications

Radome Material	ASA
Size	
Length	8.5 in [215.9 mm]
Width	8.5 in [215.9 mm]
Height	1.1 in [27.94 mm]
Weight	0.43 lbs [195.04 g]

Environmental Specifications

Temperature	
Operating Range	-20 to +60 deg C
Environment	UL-94HB



Features:

- Left Hand Circular Polarized
- 4 ft coax lead with N-Male Connector
- Compact size, low profile
- Lightweight ABS Radome

Applications:

- 800 MHz, 900 MHz ISM Bands
- Wireless LAN systems
- Wireless Video Links
- RFID, GSM, SCADA
- LPWAN, LoRA, IoT, M2M applications

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

Plotted and Other Data

Notes:

900 MHz 8 dBi LH Circular Polarized Patch Antenna 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: [900 MHz 8 dBi LH Circular Polarized Patch Antenna FM51FP1007](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-8-dbi-gain-n-fm51fp1007-p.aspx>

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