

698-960 MHz/1710-2700 MHz/3400-4200 MHz
Low PIM Rated V-pol Panel DAS Antenna, 5-8.5 dBi,
Wall Mount, 4.3-10 Female Connector



HG74208FPPR-4310F

Features

- Low Passive Intermodulation (PIM) <-153 dBc @ 2x20W
- Vertical Polarization
- Low return loss, stable performance
- 4.3-10 Female connector for long lasting consistent results
- Covers 5G, WiFi and LTE frequency bands including extended CBRS

Applications

- Indoor distribution of 5G, LTE, GSM/CDMA
- In-building public or private networks
- LPWAN, LoRA, LTE-M, NB-IoT, IoT, M2M applications
- MIMO DAS (Distributed Antenna Systems)
- Wall Mounts

Description

The L-com HG74208FPPR-4310F is a low PIM rated, high performance wall mount panel antenna specifically designed for in-building wireless networks such as DAS (Distributed Antenna Systems). L-com's HG74208FPPR-4310F has 5 to 8.5 dBi gain and can be used to distribute Cellular and WiFi signals throughout a building or area. The HG74208FPPR-4310F operates from 698 to 4200 MHz which is ideal for 5G, LTE, CDMA, LPWAN/IoT/M2M applications including LoRA, LTE-M, and NB-IOT. The Multi-Band design of the L-com HG74208FPPR-4310F antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of in-building wireless applications where wide coverage is desired.

The HG74208FPPR-4310F from L-com has directional 55 to 80 degree patterns with vertical polarization and features 4.3-10 connectors. The key to providing the best performance in telecommunications is to ensure the components used are low PIM rated. This helps meet the increasing demand for higher data rates and the ability to provide streaming video for mobile devices. With a low PIM rating of <-150 dBc, the 698-4200 MHz HG74208FPPR-4310F helps meet the most demanding PIM requirements for 5G and LTE/4G bands.

The 4.3-10 connectorized HG74208FPPR-4310F antenna from L-com is designed specifically for in-building operation and is ideal for use in large open areas such as indoor courtyards, indoor sporting venues, convention centers and shopping malls. The included mounting bracket and hardware makes this antenna very easy to install. This 5G Cellular antenna just like our wide selection of superior quality RF parts, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

Configuration

Design	Panel
Application Band	DAS
Band Type	Wide
Radiation Pattern	Directional
Polarization	Vertical
Connector Type	4.3-10 Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	698		4,200	MHz
Input VSWR			1.8:1	
Impedance		50		Ohms
Gain		5	8.5	dBi
Input Power			50	Watts
Passive Intermodulation		-153		dBc



Electrical Specifications

Specifications by Band

Mechanical Specifications

Size

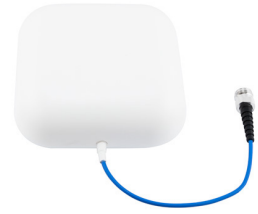
Temperature

Operating Range

Plotted and Other Data

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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.

698-960 MHz/1710-2700 MHz/3400-4200 MHz Low PIM Rated V-pol Panel DAS Antenna, 5-8.5 dBi, Wall Mount, 4.3-10 Female 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/698-960-mhz-1710-2700-mhz-3400-4200-mhz-low-pim-rated-das-v-pol-panel-antenna-5-8.5-dbi-wall-mount-4.3-10-female-connector-hg74208fppr-4310f-p.aspx>

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HG74208FPPR-4310F CAD Drawing
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DAS Antenna, 5-8.5 dBi, Wall Mount, 4.3-10 Female Connector

