

### Indoor DAS Ceiling Omni Antenna, 5 dBi, 698 MHz - 4200 MHz, 2 x Type N Female, Low PIM

Fairview Microwave's Indoor DAS ceiling Omni Antenna FM51253 is in stock and ready to ship the same-day of order. The FM51253 indoor ceiling omni antenna comes with 5dBi gain and 2 x Type N female connectors. This indoor DAS ceiling omni antenna has a wide band frequency range from 698MHz to 4200MHz. The 2 port capabilities increase the 5G data speeds up to 2 x that of a single antenna. Fairview Microwave's 2 x type N female increases the throughput, data speeds, quality of connection and allows more users to connect to the antenna.

Our omni antenna specialists are ready and available to answer any questions you may have on the FM51253 indoor DAS ceiling omni antenna. The 5dBi ceiling omni antenna low profile designs allow for seamless installation indoors without creating eyesores or potential interference with indoor personnel. These ceiling antennas have low loss pigtailed that allows for installation flexibility.

Contact Fairview Microwave's expert technical support for assistance with the indoor DAS ceiling omni antenna or any Antenna. Our knowledgeable sales team simplifies the purchasing process and ensures that your ceiling Omni antenna will be exact to specification.

The omni antenna FM51253 from Fairview Microwave provides a higher quality connection and improved longevity. Order your 2-port low Indoor DAS ceiling Omni Antenna FM51253 from Fairview Microwave today. There is no MOQ (minimum order quantity) and the product ships same day from our warehouse.

#### Configuration

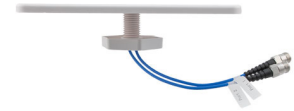
Design	Ceiling
Gain	2.5 dBi
Polarization	Horizontal
Connector Type	N Female
Interface 2	N Female
Number of Ports	2

#### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	698		4,200	MHz
Input VSWR			1.8:1	
Impedance		50		Ohms
Gain	2.5		5	dBi
Input Power			50	Watts
Passive Intermodulation 3rd order, 2 x 20 W			-153	dBc

#### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.698-0.96	1.427-1.71	1.71-2.7	3.3-4.2		GHz
Port to Port Isolation	16	18	20	25		dB
Gain	2.5	3.5	4.5	5		dBi
Horiz. Beam Width	360	360	360	360		Degrees



#### Features:

- Indoor distribution of 5G, LTE, GSM/CDMA
- Rectangular shape enables seamless blend in with ceiling tiles
- In-building public or private networks
- LPWAN, LoRA, LTE-M, NB-IoT, IoT, M2M applications
- DAS (Distributed Antenna Systems)

#### Applications:

- Low Passive Intermodulation (PIM) <-153 dBc @ 2x20W
- Vertical Polarization
- Low return loss, stable performance
- 2 x N-Female connector
- Covers 5G frequency bands including 600 MHz and extended CBRS

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Vert. Beam Width	360	360	360	360	Degrees
VSWR	1.8:1	1.8:1	1.8:1	1.8:1	

**Mechanical Specifications**

Radome Material ABS

**Size**

Length 10.0394 in [255 mm]  
 Width 7.48031 in [190 mm]  
 Height 0.393701 in [10 mm]  
 Weight 1.22 lbs [553.38 g]

**Environmental Specifications**
**Temperature**

Operating Range -55 to +60 deg C

Humidity <95

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

**Plotted and Other Data**

Notes:

Indoor DAS Ceiling Omni Antenna, 5 dBi, 698 MHz - 4200 MHz, 2 x Type N Female, Low PIM 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: [Indoor DAS Ceiling Omni Antenna, 5 dBi, 698 MHz - 4200 MHz, 2 x Type N Female, Low PIM FM51253](#)

URL: <https://www.fairviewmicrowave.com/wide-band-antenna-6-dbi-n-female-fm51253-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/21/2022	KHIETPAS

**NOTES:**  
 1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY). LABEL LOCATION FOR REFERENCE ONLY.

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	<small>TITLE</small> <b>Indoor DAS Ceiling Omni Antenna, 5 dBi, 698 MHz - 4200 MHz, 2 x Type N Female, Low PIM</b>		<small>SHEET</small> 1 <small>OF</small> 1 <small>SCALE</small> N/A
<small>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</small>			
<small>SIZE</small> A	<small>CAGE CODE</small> 3FKR5	<small>DRAWN BY</small> AKRESOWSK	<small>ITEM NO.</small> FM51253
			<small>REV</small> A

T-Rev.D