



LOW PIM 2-PORT MIMO MULTI-BAND

CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CMD69273P utilizing Patent Pending Technology is an indoor broadband low PIM 2-port MIMO omnidirectional ceiling mount antenna. It is designed to provide pattern coverage optimized for indoor requirements at 698-960MHz and 1710-2700MHz frequency bands. The individual antenna elements are designed with linear H/V-polarization components oriented to radiate a pattern that has been specifically shaped to deliver optimal performance from a ceiling mount location.

FEATURES

- Low Profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Wide bandwidth 700/850/900/1800/1900/UMTS/2300/2400/2500
- Two radiating elements optimized for indoor MIMO Applications
- Low cross correlation between radiating elements
- Low Passive Intermodulation
- Conformance to RoHS
- Antenna w/cables Plenum rated

MARKETS

- Cellular
- LTE/WiMAX
- 802.11 a/b/g/n
- Warehouse, Office and Meeting Rooms
- Hotels, Museums, Libraries, Retail Malls
- Airport, Bus Terminals and Train Stations
- Other in-building areas

BENEFITS

- Complete cellular and 3G/4G data communications in a single antenna
- Radiating elements are oriented to provide maximum coverage
- To mitigate the multi path polarization propagation issue, each radiating element is designed to have dual-linear H/V polarization characteristics
- Full Plenum rating allows for above ceiling installations.

PARAMETER	SPECIFICATIONS							
Frequency Bands, MHz	698-806	824-894	880-960	1710-1880	1850-1990	1910-2170	2300-2500	2500-2700
Peak Gain, dBi (Typ)	3.1	3.1	2.8	5.9	4.5	4.3	5.9	6.9
Peak Gain, dBi (Max)	3.9	3.8	3.5	6.8	5.1	4.7	6.3	7.4
VSWR (Typ)	<1.7:1	<1.7:1	<1.7:1	<1.8:1	<1.7:1	<1.7:1	<1.5:1	<1.5:1
Isolation, dB (Typ)	<-20	<-22	<-18	<-26	<-25	<-22	<-20	<-20
PIM, 3 rd Order, 2 x 20W (Typ)	<-154 dBc				<-155 dBc			
PIM, 3 rd Order, 2 x 20W (Max)					<-150 dBc			
Maximum VSWR					2.0:1			
Nominal Impedance					-50 Ω			
Max Power (Ambient temp of 25°C)					50 Watts			
Polarization					Linear H/V for each Radiator			
Azimuth Beam Width					Omnidirectional			
Radome					PC/ABS, UV stable			
Mounting					Ceiling mount (flush mount with screws and anchors)			
Dimensions (diameter x height)					218.7 mm x 43.5 mm			
Weight					0.41 kg			
Storage Temperature (°C)					-40° C to +85° C			
Operational Temperature (°C)					-30° C to +70° C			
Standard for Safety: Information Technology Equipment					UL/CSA/EN/IEC/CB-Scheme 60950-1 Listed			
Standard for Safety: Fire and Smoke (Plenum)*					UL 2043 Certified			
Flammability Rating (Radome)					UL 94V0 Materials			
Material Substance Compliance					RoHS Compliant			

*Antenna, with cables, fully Plenum compliant.

CONNECTORS

MODEL NUMBER	CABLE LENGTH*	CONNECTOR
CMD69273P-FNF	NA (Direct Connect)	Dual Type N-Female
CMD69273P-30NF	Dual 30 cm (12")	Dual Type N-Female
CMD69273P-46NF	Dual 46 cm (18")	Dual Type N-Female
CMD69273P-30D41F	Dual 30 cm (12")	Dual 4.1-9.5 DIN Female
CMD69273P-30D43F	Dual 30 cm (12")	Dual 4.3-10 DIN Female

Americas: +1.847.839.6925
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia:
IAS-AsiaSales@lairdtech.com

Middle East and Africa: +44.1628.858941
IAS-MEASales@lairdtech.com

www.lairdtech.com

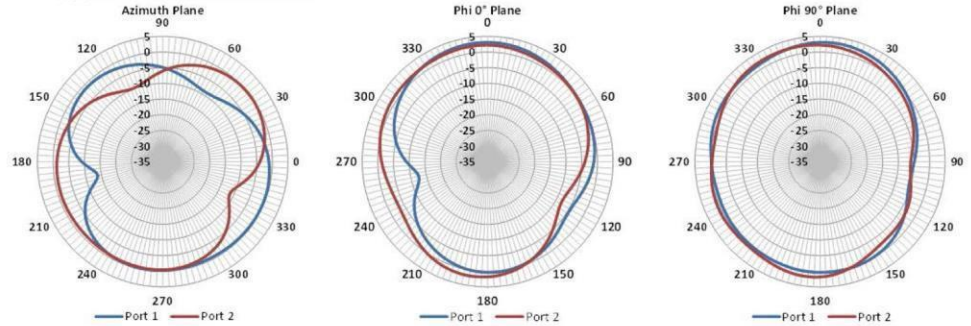
CMD69273P

698to960MHz/1710to2700MHz

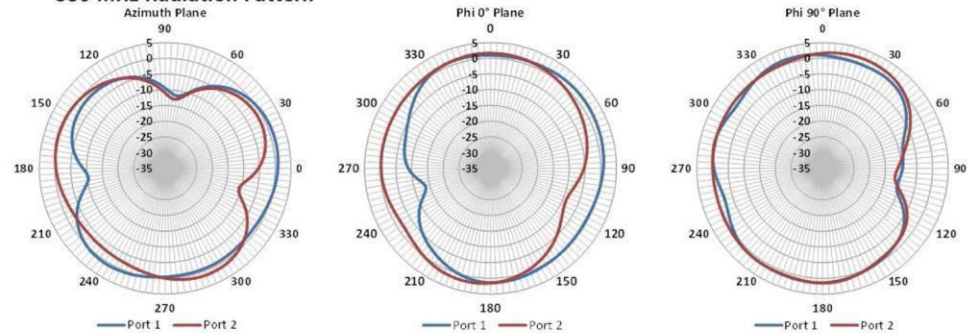
Low PIM 2-port MIMO Ceiling Mount Antenna

PATTERNS

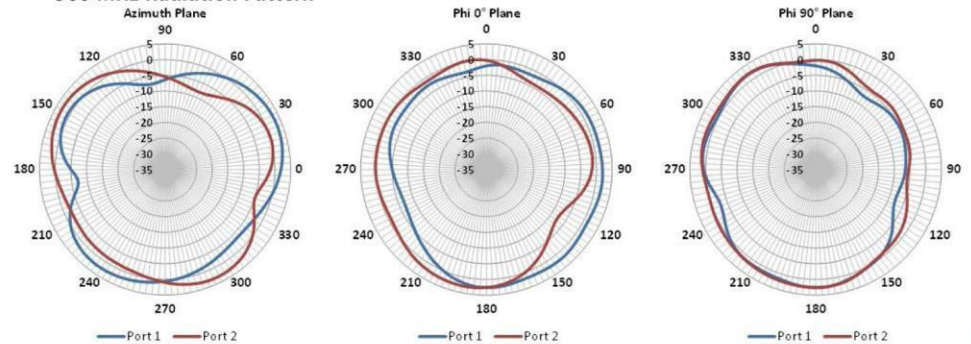
698 MHz Radiation Pattern



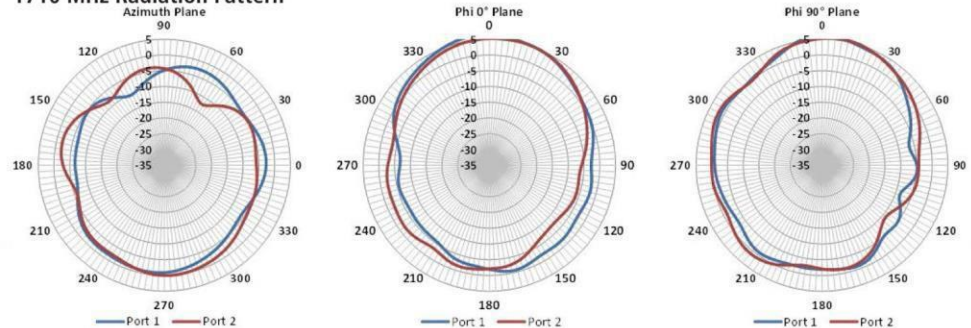
880 MHz Radiation Pattern



960 MHz Radiation Pattern



1710 MHz Radiation Pattern



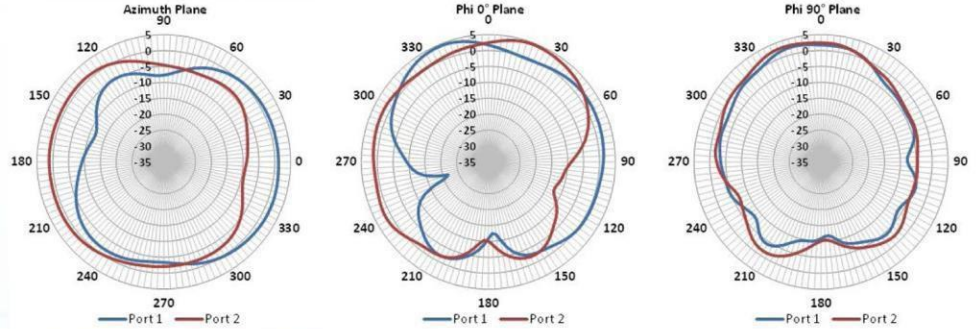
CMD69273P

698to960MHz/1710to2700MHz

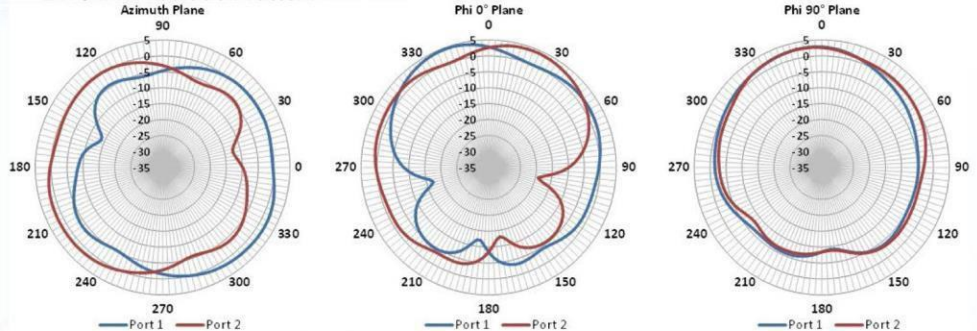
Low PIM 2-port MIMO Ceiling Mount Antenna

PATTERNS

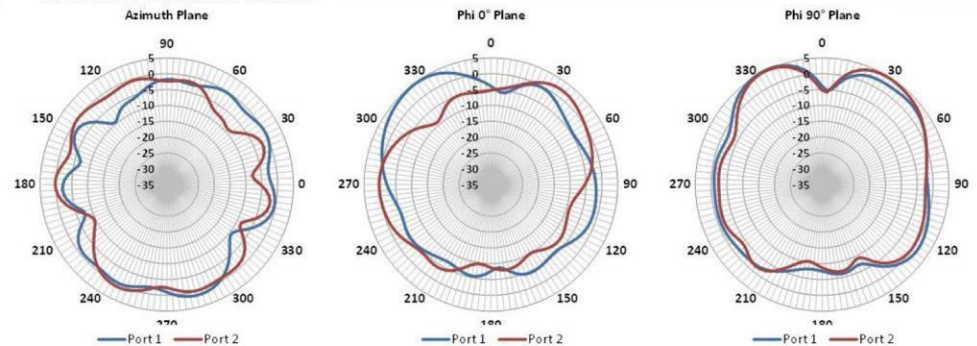
1950 MHz Radiation Pattern



2170 MHz Radiation Pattern



2700 MHz Radiation Pattern



ANT-DS-CMD69273P_1116

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2016 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9