



DISTRIBUTED ANTENNA SYSTEMS (DAS)

Antennas designed to provide pattern coverage that is optimized for indoor and/or outdoor coverage requirements for the Cellular/LTE, WiFi/WLAN and LMR frequency bands.





Smart Technology. Delivered.™

About Laird

Laird is a global technology business focused on enabling wireless communication and smart systems, and providing components and systems that protect electronics. Laird operates through two divisions, Wireless Systems and Performance Materials. Wireless Systems solutions include antenna systems, embedded wireless modules, telematics products and wireless automation and control solutions. Performance Materials solutions include electromagnetic interference shielding, thermal management and signal integrity products. As a leader in the design, supply and support of innovative technology, our products allow people, organizations, machines and applications to connect effectively, helping to build a world where smart technology transforms the way of life. Custom products are supplied to major sectors of the electronics industry including the handset, telecommunications, IT, automotive, public safety, consumer, medical, rail, mining and industrial markets.

Laird provides systems, components and solutions that protect electronics from electromagnetic interference and heat, and that enable connectivity in mission critical systems through wireless applications and antenna systems.

We are a leader in the design, development and delivery of innovative technologies that enable people, organizations and applications to connect efficiently and effectively. With a proud history stretching back to 1824, Laird has been at the forefront of technological innovation for almost two centuries. And we continue to deliver.

Our reputation has been built on three guiding principles:

- Innovation - putting our in-depth knowledge of the latest materials and processes to work in creating outstanding products for our customers.
- Reliable fulfillment – delivering what our customers need to their exact specifications, on time and on budget, and in the quantities required.
- Speed - rationalizing the design and delivery cycle to minimize the time from initial concept to final implementation.

DISTRIBUTED ANTENNA SYSTEMS

INDOOR AND OUTDOOR ANTENNAS

PART #	FREQUENCY (MHz)														ANTENNA TYPE	PATTERN TYPE	INDOOR / OUTDOOR	BANDWIDTH		VSWR (MAX)	AVERAGE GAIN (dBi)	POLARIZATION	DIMENSIONS (mm)	CONNECTOR TYPE (S)	MOUNT STYLE	PIM 3RD ORDER 2x20W, dBc										
	380-960	698-806	698-960	806-960	824-884	880-960	1350-1550	1395-6000	1690-1880	1690-2700	1690-3800	1575	1710-2170	1710-2700				1850-1990	1850-2170							1910-2170	2300-2500	2400-2500	2500-2700	1350-4000	EL	AZ	TYPICAL (HIGH/LOW) BAND	MAX		
CFD69383P		x																				x	2-port MIMO	Omni	Indoor	-	360	2.0	3.8 - 5.4	Linear Horizontal	250 x 250 x 7.6	2 x Type N(f), 2 x 4.3-10 N(f)	Ceiling	<- 158dBc / <- 160dBc	<- 150 dBc	
CMD69273P		x																						2-port MIMO	Omni	Indoor	-	360	2.0	3-4 / 5.0-6.9	Vertical	219 x 44	2 x Type N(f)	Ceiling	<- 154dBc / <- 155dBc	<- 150 dBc
PAS69278P		x																						Dual Port Panel	Directional	Indoor and Outdoor	55/70	50/80	2.0	7.5-9.0 / 5.7-9.5	Slant ± 45°	295 x 295 x 82	2 x Type N(f)	Wall / Mast	<- 151dBc / <- 153 dBc	<- 150 dBc
CFSA69383P		x																						Single Port	Omni	Indoor	-	360	2.0	3.2-3.4 / 4.2-4.4 / 4.0-5.4	Vertical	180 x 8	Type N(f)	Ceiling	<- 150dBc / <- 150dBc	<- 150 dBc
PAV69278PI		x																						Low PIM Panel	Directional	Indoor	64/51	75/63	2.0	8.0	Vertical	249 x 249 x 61	Type N(f)	Wall	<- 150 dBc / <- 155 dBc	<- 150 dBc
CMD69273		x																						2-port MIMO	Omni	Indoor	-	360	2.0	3-4 / 5.0-5.6	Vertical	219 x 44	2 x Type N(f)	Ceiling	-	-
CFS60383P		x																						Single Port	Omni	Indoor	-	360	2.0	2.9-4.6 / 4.1 / 3.9-7.1	Horizontal	117.2 x 180.3 x 7.6	Type N(f)	Ceiling	<- 156 dBc / <- 157 dBc	<- 150 dBc
CFS69383P		x																						Single Port	Omni	Indoor	-	360	2.0	2.9-4.6 / 4.1 / 3.9-6.8 / 6.8-4.1	Linear	180 x 117.2 x 8	Type N(f)	Ceiling	<- 156dBc / <- 157dBc	<- 150 dBc
CFSA60383P		x																						Single Port	Omni	Indoor	-	360	2.0	4.1 / 4.7	Vertical	117.2 x 180.3 x 7.6	Type N(f)	Ceiling		
CLS69273		x																						Panel	Omni	Indoor	-	360		3.1 / 6.3	Vertical	250 x 47.5	Type N(f)	Ceiling	-	-
CLS69273P		x																						Panel	Omni	Indoor	-	360		3.1 / 6.3	Vertical	250 x 47.5	Type N(f)	Ceiling	<- 156 dBc	<- 150 dBc
CMS69273		x																						Panel	Omni	Indoor	-	360	2.0	1.0 / 3.0	Vertical	199 x 86	Type N(f)	Ceiling	-	-
CMS69273S		x																						Panel	Omni	Indoor	-	360	2.0	1.0 / 3.0	Vertical	199 x 86	Type N(f)	Ceiling w/ threaded stem	-	-
CMS69273P		x																						Low PIM 2-port MIMO	Omni	Indoor	-	360	2.0	3.1 / 3.1 / 2.8 / 5.9 / 4.5 / 4.3 / 5.9 / 6.9	Linear H/V	219 x 44	2 x Type N(f)	Ceiling	<- 152 dBc / <- 160 dBc	<- 150 dBc
CMS38606P	x																							Single Port	Omni	Indoor	-	-	2.8:1 / 1.6:1	2.2-2.6 / 5.3-5.4	Vertical	133 x 298 x 61.3	Pigetail w/ Type N(f) Fixed Type N(f)	Ceiling	<- 154 dBc	<- 150 dBc
CMSA69273P	x																							Single Port	Omni	Indoor	-	360	2.0	2.4 / 2.5 / 2.4 / 2.4 / 3.5 / 3.5 / 4.5 / 4.4	Vertical	86.0 x 198.8 mm	Type N(f)	Ceiling	<-157 dBc / <-155 dBc	<-150 dBc
CMX69273P		x																						2-Port MIMO	Omni	Indoor	-	360	1.7:1	4.5 / 3.5	Linear	250 x 49	Model Specific	Ceiling	<- 154 dBc / <- 153 dBc	<- 150 dBc
CMQ69273P		x																						4-Port MIMO	Omni	Indoor	-	360		6.0 / 5.7	Linear	330 x 55.5	Type N(f)	Ceiling	<- 154 dBc / <- 164dBc	<- 153 dBc
PAV69278I		x																						Panel	Directional	Indoor	64/51	75/63	2.0	8.0	Vertical	249 x 249 x 61	Type N(f)	Wall	-	-
PAV69278O		x																						Panel	Directional	Outdoor	64/51	75/63	2.0:1	7.6 / 8.1	Vertical	249.4 x 248.6 x 61.3	Pigetail w/ Type N(f) Fixed Type N(f)	Wall / Mast	-	-
PAV69278PO		x																						Low PIM Panel	Directional	Outdoor	64/51	75/63	<1.8:1 / <1.9:1	7.6-7.8 / 7.8-8.8	Vertical	249.4 x 248.5 x 61.3	2 x Type N(f)	Wall / Mast	<-150 dBc / <-153 dBc	<-150 dBc
SL8025WP			x																					Panel	Omni	Indoor	-	360	2.0:1	3.0	Linear	15 x 15 x 3.175	Type N(M) / SMA Male	Ceiling	-	-
SL69273PTL		x	x																					3-port Panel	Omni	Indoor	-	360	2.0	3.0 / 2.0 / 2.0	Vertical	216 x 44	Type N(f)	Ceiling	-	-

CFD69383P/ CFD69383P1

BEST SELLER!



The CFD69383P/CFD69383P1 are Low PIM, 2-Port MIMO indoor wideband omnidirectional low profile ceiling mount antennas. They are designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, and 1690-4000 MHz for the LTE, AWS-3, WCS and CBRS/WiMAX frequency bands. The CFD69383P/CFD69383P1 are applicable for environments where aesthetics and wide angle coverage are necessary for successful wireless deployment.

For more details visit www.lairdtech.com/products/CFD69383P



VIEW DATASHEET
(EXTERNAL LINK)

FREQUENCY	698-960 MHz / 1350-1550 MHz / 1690-2700 MHz / 3300-4000 MHz
PEAK GAIN (TYP)	3.2-3.8 dBi @ 698-960 MHz 3.0 dBi @ 1350-1550 MHz 3.9-5.2 dBi @ 1690-2700 MHz 4.3-4.9 dBi @ 3300-4000 MHz
ISOLATION (AVG)	>20 dB @ 698-960 MHz >16 dB @ 1350-1550 MHz >16 dB @ 1690-2700 MHz >28 dB @ 3300-4000 MHz
VSWR (MAX)	< 2.0:1 maximum across all bands
PIM, 3RD ORDER, 2 X20W	< -160 dBC (typ), < -150 dBC (max)
NOMINAL IMPEDANCE	50 ohms

POLARIZATION	Linear Horizontal
INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts
MOUNT TYPE	Ceiling tile (CFD69383P) Hard Ceiling (CFD69383P1)
DIMENSIONS	250 x 250 x 7.6 mm
ANTENNA WEIGHT	0.42 kg
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL 94V0 Materials

ANTENNAS & ACCESSORIES	Part Number	Cable Length	Connector	Quantity
	CFD69383P-30NF	30 cm (12") cable	Dual Type N-female	1 Piece
	CFD69383P-30D43F	30 cm (12") cable	Dual 4.3-10 DIN female	1 Piece
	CFD69383P-B30NF	30 cm (12") cable	Dual Type N-female	Bulk Pack (10 PIECES)
	CFD69383P-B30D43F	30 cm (12") cable	Dual 4.3-10 DIN female	Bulk Pack (10 PIECES)
	CFD69383P1-30NF	30 cm (12") cable	Dual Type N-female	1 Piece
	CFD69383P1-30D43F	30 cm (12") cable	Dual 4.3-10 DIN female	1 Piece
	CFD69383P1-B30NF	30 cm (12") cable	Dual Type N-female	Bulk Pack (10 PIECES)
	CFD69383P1-B30D43F	30 cm (12") cable	Dual 4.3-10 DIN female	Bulk Pack (10 PIECES)

CMD69273P

BEST SELLER!



The CMD69273P (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 specifically shaped to deliver optimal ceiling mount performance.

For more details visit www.lairdtech.com/products/CMD69273P



VIEW DATASHEET
(EXTERNAL LINK)

FREQUENCY	698-960 MHz / 1710-2700 MHz
PEAK GAIN	3.35 dBi @ 700 MHz 4.4 dBi @ 800 / 900 MHz 5.0 dBi @ 1800/1900/UMTS MHz, 6.9 dBi @ 2400/ 2500 MHz
ISOLATION	<-20 dB @ 700 MHz <-22 dB @ 800 MHz <-18 dB @ 900 MHz <-26 dB @ 1700-1800 MHz <-22 dB @ 1900-2100 MHz <-20 dB @ 2300-2700 MHz
VSWR	<1.8:1 maximum across all bands
PIM, 3RD ORDER, 2 X20W	<-155 dBC (typ), <-150 dBC (max)

NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Linear H/V for each Radiator
INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts
DIMENSIONS	218.7 mm x 43.5 mm
ANTENNA WEIGHT	0.41 kg
RF CONNECTOR	Dual Type N-female OR Dual 4.1-9.5 DIN Female
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL 94V0 Materials

ANTENNAS & ACCESSORIES	Part Number	Cable Length	Connector	Quantity
	CMD69273P-FNF	NA (Direct Connect)	Dual Type N-female	1 piece
	CMD69273P-30NF	Dual 30 cm (12") cable	Dual Type N-female	1 piece
	CMD69273P-46NF	Dual 46 cm (18") cable	Dual Type N-female	1 piece
	CMD69273P-61NF	Dual 61 cm (24") cable	Dual Type N-female	1 piece
	CMD69273P-30D41F	Dual 30 cm (12") cable	Dual 4.1-9.5 DIN Female	1 piece
	CMD69273P-30D43F	Dual 30 cm (12") cable	Dual 4.3-10 DIN Female	1 piece
	CMD69273P-B30NF	Dual 30 cm (12") cable	Dual Type N-female	BULK PACK (10 pieces)
	CMD69273P-B46NF	Dual 46 cm (18") cable	Dual Type N-female	BULK PACK (10 pieces)
	CMD69273P-B61NF	Dual 61 cm (24") cable	Dual Type N-female	BULK PACK (10 pieces)
	CMD69273P-B30D43F	Dual 30 cm(12") cable	Dual 4.3-10 DIN Female	BULK PACK (10 pieces)

PAS69278P

BEST SELLER!



The PAS69278P antenna operates with 698-960 / 1710-2700 MHz and is a wide band dual port Low PIM panel antenna with slant 45 polarization. The PAS69278P covers the domestic LTE700 / Cellular / PCS / AWS /MDS and global GSM900 / GSM1800 / UMTS / LTE2600 bands. The antenna is ideal for both indoor and outdoor applications. It includes a UV stable radome enclosure that provides years of use without degradation to either the mechanical properties or aesthetics.

For more details visit www.lairdtech.com/products/PAS69278P



VIEW DATASHEET
(EXTERNAL LINK)

FREQUENCY	698-960 MHz / 1690-2700 MHz
PEAK GAIN (TYP)	8.7-9.8 dBi @ 698-960 MHz 7.5-9.7 dBi @ 1690-2700 MHz
ISOLATION	<-40 dB @ 698-960 MHz <-30 db @ 1690-2700 MHz
VSWR (MAX)	2.0:1 across all frequency bands
PIM, 3RD ORDER, 2X20W	<-154 dBc @ 698-960 (typ) <-164 dBc @ 1690-2700 MHz (typ) <-153 dBc (max)
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Slant ± 45°

INDOOR/OUTDOOR	Indoor and Outdoor
MAX INPUT POWER	50 watts
DIMENSIONS	295 mm x 295 mm x 82 mm
ANTENNA WEIGHT	1.46 kg
MOUNTING	Wall / Mast
OPERATIONAL TEMP	-30° C to +70° C
STORAGE TEMP	-40° C to +85° C
COMPLIANCE	RoHS compliant
FLAMMABILITY	UL94 V-0 Rating

ANTENNAS & ACCESSORIES	PAS69278P-FNF	NA (Direct Connect)	Dual Type N Female connector
	PAS69278P-91NF	91 cm, (36") cable	Dual Type N Female connector
	PAS69278P-30D41F	30 cm, (12") cable	Dual Type 4.1-9.5 Female connector
	PAS69278P-30D43F	30 cm, (12") cable	Dual Type 4.3-10 Female connector

CFSA69383P

BEST SELLER!



The CFSA69383P is a Low PIM indoor wideband omnidirectional low profile ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, and 1690-3800 MHz for the GSM, DCS, UMTS, AWS-3 and LTE/WiMAX frequency bands. The CFSA69383P is applicable for environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. The surprisingly small size and extreme low profile enables maximum mounting flexibility while maintaining desired in-building aesthetics.

For more details visit www.lairdtech.com/products/CFSA69383P



VIEW DATASHEET
(EXTERNAL LINK)

FREQUENCY	698-960 MHz / 1350-1550 MHz / 1960-3800 MHz
PEAK GAIN (TYP)	3.2-3.4 dBi @ 698-960 MHz 4.2 dBi @ 1350-1550 MHz 4.0-5.4 dBi @ 1690-3800 MHz
VSWR (MAX)	<1.5:1 @ 698-960 MHz <2.0:1 @ 1350-1550 MHz <2.0:1 @ 1690-3800 MHz
PIM, 3RD ORDER, 2X20W	<-160 dBc typ (LTE Low), <-158 dBc typ (LTE High) <-150 dBc (max)
AZIMUTH 3 DB BEAMWIDTH	360 °
NOMINAL IMPEDANCE	50 ohms

POLARIZATION	Linear horizontal
INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 Watts
DIMENSIONS	7.6 x 180 mm
ANTENNA WEIGHT	.23 kg
MOUNTING	Ceiling
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS Compliant

ANTENNAS & ACCESSORIES	CFSA69383P-30NF	30 cm (12") cable	Type N-female connector
	CFSA69383P-30D43F	30 cm (12") cable	4.3-10 female connector

PAV69278P1

BEST SELLER!



The PAV69278P1 operates within 698-960 / 1710-2700 MHz and is a multi band, low PIM, high gain directional panel antenna with vertical polarization. This antenna is capable of operating in the LTE700/Cellular/PCS/AWS/MDS and global GSM900/GSM1800 /UMTS /LTE2600 bands. The radiation patterns are uniform and symmetrical, providing high level signal density into defined coverage zones. This antenna will greatly enhance the performance of LTE systems and is ideal for indoor applications. The antenna includes a wall mounting bracket, anchors and bolts.

For more details visit www.lairdtech.com/products/PAV69278P1



VIEW DATASHEET
(EXTERNAL LINK)

FREQUENCY	698-960 MHz / 1710-2700 MHz
PEAK GAIN (TYP)	6.8-7.8 dBi @ 698-960 MHz 7.8-8.8 dBi @ 1710-2700 MHz
VSWR (MAX)	<2.0:1
PIM, 3RD ORDER, 2X20W	<-150 dBc @ 698-960 MHz (typ) <-15 dBc @ 1710-2700 MHz (typ) <-150 dBc (max)
POLARIZATION	Vertical

INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts
DIMENSIONS	249.4 x 248.6 x 61.3 mm
ANTENNA WEIGHT	.62 kg
MOUNTING	Wall
OPERATIONAL TEMP	-30° C to +70° C
STORAGE TEMP	-40° C to +85° C
COMPLIANCE	RoHS

ANTENNAS & ACCESSORIES	PAV69278P1-FNF	NA (Direct Connect)	Type N-Female connector
	PAV69278P1-30NF	30 cm (12") cable	Type N-Female connector

CMD69273



The CMD69273 is an indoor broadband 2-port MIMO omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor requirements at 698-960 MHz and 1710-2700 MHz for the CELLULAR, UMTS, and LTE/WiMAX frequency bands. The individual antenna elements are designed with linear H/V-polarization components oriented to provide a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location.

For more details visit www.lairdtech.com/products/CMD69273



VIEW DATASHEET
(EXTERNAL LINK)

FREQUENCY	698-960 MHz / 1710-2700 MHz
PEAK GAIN	3.35 dBi @ 700 MHz, 4.4 dBi @ 800 / 900 MHz 5.0 dBi @ 1800/1900/UMTS MHz, 5.6 dBi @ 2400/ 2500 MHz
ISOLATION	<-20 dB @ 700/800 MHz <-17 dB @ 900 MHz <-20 dB @ 1800/1900/2100 MHz <-20 dB @ 2400/2500 MHz
VSWR	2.0:1 maximum across all bands
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Linear H/V for each radiator

INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts
DIMENSIONS	Diameter 218.7 mm x Height 43.5 mm
ANTENNA WEIGHT	0.41 kg
ENCLOSURE	UV Stable ASA
MOUNTING	Ceiling Mount (flush mount w/ screws + anchors)
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL 94HB Materials

ANTENNAS & ACCESSORIES	CMD69273-30NF	Dual 30 cm (12") Cable	Dual Type N-Female Connector	1 piece
	CMD69273-30NM	Dual 30 cm (12") Cable	Dual Type N-Male Connector	1 piece
	CMD69273-B30NF	Dual 30 cm (12") Cable	Dual Type N-Female Connector	BULK PACK (10 pieces)

CFS60383P



The CFS60383P is a Low PIM 600-960 MHz / 1690-3800 MHz indoor wideband omnidirectional low profile ceiling mount antenna designed to provide pattern coverage that is optimized for indoor coverage. The CFS is ideal for applications requiring GSM, DCS, UMTS, AWS-3 and LTE/WiMAX frequency band operation.

For more details visit www.lairdtech.com/products/CFS60383P



VIEW DATASHEET
(EXTERNAL LINK)

FREQUENCY	600-960 MHz / 1350-1550 MHz / 1690-3800 MHz
PEAK GAIN (TYP)	2.9-4.6 dBi @ 600-960 MHz 4.1 dBi @ 1350-1550 MHz 3.9-5.8 dBi @ 1690-3800 MHz
VSWR (MAX)	<1.8:1
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Horizontal
INDOOR/OUTDOOR	Indoor

MAX INPUT POWER	50 watts
DIMENSIONS	117.2 x 180.3 x 7.6 mm
ANTENNA WEIGHT	.197 kg
MOUNTING	Ceiling
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL 94V0 Materials

ANTENNAS & ACCESSORIES	CFS60383P-30NF	30 cm (12") cable	Type N-female connector
	CFS60383P-30D43F	30 cm (12") cable	4.3-10 Female connector

CFS69383P



The CFS69383P is a Low PIM indoor wideband omnidirectional low profile ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, and 1690-3800 MHz for the GSM, DCS, UMTS, AWS-3 and LTE/WiMAX frequency bands. The CFS69383P is applicable for environments where aesthetics and wide angle coverage are necessary for successful wireless deployment.

For more details visit www.lairdtech.com/products/CFS69383P



VIEW DATASHEET
(EXTERNAL LINK)

FREQUENCY	698-960 / 1350-1550 MHz / 1690-3800 MHz
PEAK GAIN (TYP)	3.5-4.8 dBi @ 700-900MHz 5.3 dBi @ 1350-1550 MHz 4.9-5.6 dBi @ 1690-3800 MHz
VSWR (MAX)	<-2.0:1 across all bands
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Linear
INDOOR/OUTDOOR	Indoor

MAX INPUT POWER	50 watts
DIMENSIONS	180.3 x 117.2 x 7.6 mm
ANTENNA WEIGHT	.194 kg
MOUNTING	Ceiling
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL 94V0 Materials

ANTENNAS & ACCESSORIES	CFS69383P-30NF	30 cm (12") cable	Type N-female connector
	CFS69383P-30D43F	30 cm (12") cable	Dual 4.3-10 DIN Female connector

CFSA60383P

The CFS60383P is a Low PIM indoor wideband omnidirectional low profile ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 600-960 MHz, and 1690-3800 MHz for the GSM, DCS, UMTS, AWS-3, WCS and LTE/WiMAX frequency bands. The CFS60383P is applicable for environments where aesthetics and wide angle coverage are necessary for successful wireless deployment.

FREQUENCY	600- 960 MHz/1350- 1550 MHz/1690- 2700 MHz/3300- 3800 MHz
PEAK GAIN	3.5 /3.6/ 3.6/ 5.4/ 5.2/ 4.4 /4.1/ 5.3/ 6.3/ 7.1/ 4.4
VSWR	<1.8:1 <1.8:1 <1.8:1 <1.8:1 <1.8:1 <1.8:1 <1.8:1 <1.8:1 <1.8:1 <1.8:1 <2.0:1
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Horizontal
INDOOR/OUTDOOR	Indoor

MAX INPUT POWER	50 watts
DIMENSIONS	117.2 x 180.3 x 7.6 mm
ANTENNA WEIGHT	181 g (0.4 lbs)
MOUNTING	Ceiling
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL94-V0 Materials

ANTENNAS & ACCESSORIES	CFS60383P-30NF	30 cm (12") cable	Type N-female connector
	CFS60383P-30D43F	30 cm (12") cable	Dual 3.5-10 DIN Female connector

CLS69273



The CLS69273 is an indoor 698-960 MHz / 1695-2700 MHz wideband omnidirectional low profile ceiling mount antenna designed to provide pattern coverage that is optimized for indoor coverage. Ideal for applications requiring GSM, DCS, UMTS, and LTE/WiMAX frequency band operation. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location. The pattern is also very uniform and symmetrical, providing system integrators with the ability to precisely determine cell size.

For more details visit www.lairdtech.com/products/CLS69273

FREQUENCY	698-960 MHz / 1695-2700 MHz
PEAK GAIN (TYP)	2.7-3.5 dBm @ 698-960 MHz 5.4-6.8 dBm @ 1695-2700 MHz
VSWR (MAX)	<2.0:1 @ 698-960 MHz <1.7:1 @ 1695-2700 MHz
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Vertical
INDOOR/OUTDOOR	Indoor

MAX INPUT POWER	50 watts
DIMENSIONS	250 x 47.5 mm
ANTENNA WEIGHT	.45 kg
MOUNTING	Ceiling (drywall or tile flush mount)
OPERATIONAL TEMP	-30°C to +70°C (-22°F to +158°F)
STORAGE TEMP	-40°C to +85°C (-40°F to +185°F)
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL94 V-0 Rating

ANTENNAS & ACCESSORIES	CLS69273-30NF	30 cm (12") cable	Type N-female connector	1 piece
	CLS69273-B30NF	30 cm (12") cable	Type N-female connector	BULK PACK (9 piece)



VIEW DATASHEET (EXTERNAL LINK)

CLS69273P



The CLS69273P is a 698-960 / 1690-2700 MHz Low PIM indoor wideband omnidirectional low profile ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements for the GSM, DCS, UMTS, and LTE/WiMAX frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location. The pattern is also very uniform and symmetrical, providing system integrators with the ability to precisely determine cell size.

For more details visit www.lairdtech.com/products/CLS69273P

FREQUENCY	698-960 MHz / 1695-2700 MHz
PEAK GAIN (TYP)	2.7-3.5 dBm @ 698-960 MHz 5.4-6.8 dBm @ 1695-2700 MHz
VSWR (MAX)	<2.0:1 @ 698-960 MHz <1.7:1 @ 1695-2700 MHz
PIM, 3RD ORDER, 2X20W	<-156 dBc (typ), <-150 dBc (max)
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Vertical
INDOOR/OUTDOOR	Indoor

MAX INPUT POWER	50 watts
DIMENSIONS	250 x 47.5 mm
ANTENNA WEIGHT	.45 kg
MOUNTING	Ceiling (drywall or tile flush mount)
OPERATIONAL TEMP	-30°C to +70°C (-22°F to +158°F)
STORAGE TEMP	-40°C to +85°C (-40°F to +185°F)
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL94 V-0 Rating

ANTENNAS & ACCESSORIES	CLS69273P-30NF	30 cm (12") cable	Type N-female connector	1 piece
	CLS69273P-30D41F	30 cm (12") cable	4.1-9.5 female connector	1 piece
	CLS69273P-30D43F	30 cm (12") cable	4.3-10 female connector	1 piece
	CLS69273P-B30NF	30 cm (12") cable	Type N-female connector	BULK PACK (9 piece)
	CLS69273P-B30D41F	30 cm (12") cable	4.1-9.5 female connector	BULK PACK (9 piece)
	CLS69273P-B30D43F	30 cm (12") cable	4.3-10 female connector	BULK PACK (9 piece)



VIEW DATASHEET (EXTERNAL LINK)

CMS69273/CMS69273S



The CMS69273/CMS69273S is an indoor wideband omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, 1575 MHz, and 1710-2700 MHz for the GSM, DCS, UMTS, and LTE/WiMAX frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location. The pattern is also very uniform and symmetrical, providing system integrators with the ability to precisely determine cell size.

For more details visit www.lairdtech.com/products/CMS69273



[VIEW DATASHEET \(EXTERNAL LINK\)](#)

FREQUENCY	698-960 MHz / 1575 MHz 1710-2700 MHz (CMS69273 only)
PEAK GAIN	1 dBi @ 698-960 MHz 2 dBi @ 1575 MHz 3 dBi @ 171-2700 MHz
VSWR	2.0:1 @ 698-960 MHz 2.5:1 @ 1575 MHz 2.0:1 @ 1710-2700 MHz
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Linear, Vertical
INDOOR/OUTDOOR	Indoor

MAX INPUT POWER	25 watts
DIMENSIONS	199 mm x 86 mm
ANTENNA WEIGHT	.34 kg
MOUNTING	CMS79273: Ceiling (flush w/ screws/anchors) CMS69273S: Ceiling (flush w/ threaded stem)
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS compliant
FLAMMABILITY	UL94 V-0 Materials

ANTENNAS & ACCESSORIES	CMS69273-30NF	30 cm (12") cable	Type N-female connector	1 piece
	CMS69273-B30NF	30 cm (12") cable	Type N-female connector	BULK PACK (8 piece)
	CMS69273S-30NF	30 cm (12") cable	Type N-female connector	1 piece

CMS69273P



The CMS69273P is an indoor broadband low PIM omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor requirements at 698-960 MHz and 1710-2700 MHz frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location.

For more details visit www.lairdtech.com/products/CMS69273P



[VIEW DATASHEET \(EXTERNAL LINK\)](#)

FREQUENCY	698-960 MHz / 1570-1580 MHz / 1710-2700 MHz
PEAK GAIN (TYP)	1.4-2.2 dBm @ 698-960 MHz 2.1 dBm @ 1570-1580 MHz 2.2-3.6 dBm @ 1710-22700 MHz
VSWR (MAX)	2.0:1
PIM, 3RD ORDER, 2X20	<-152 dBc @ 698-1580 MHz (typ) <-160 dBc @ 1710-2700 MHz (typ) <-150 dBc (max)
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Linear, Vertical

INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts
DIMENSIONS	199 mm x 86 mm
ANTENNA WEIGHT	.34 kg
MOUNTING	Ceiling
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS Compliant
FLAMMABILITY	UL94 V-0 Rating

ANTENNAS & ACCESSORIES	CMS69273P-30NF	30 cm (12") cable	Type N-Female connector	1 piece
	CMS69273P-30D41F	30 cm (12") cable	4.1-9.5 Mini DIN female connector	1 piece
	CMS69273P-B30NF	30 cm (12") cable	Type N-Female connector	BULK PACK (8 piece)

CMS38606P



The CMS38606P operates within 380-6000 Mhz and is an indoor broadband low PIM omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor requirements at 380-520 MHz, 600- 960 MHz, 1395-1435 MHz and 1690-6000 MHz frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location.

For more details visit <https://www.lairdtech.com/products/CMS38606P>



[VIEW DATASHEET \(EXTERNAL LINK\)](#)

FREQUENCY	380-520 MHz / 600-960 MHz / 1395-1435 MHz / 1690-6000 MHz
PEAK GAIN (TYP)	2.2 dBi @ 380-520 MHz 2.1-2.6 dBi @ 600-960 MHz 5.3 dBi @ 1395-1435 MHz 5.4-5.8 dBi @ 1690-6000 MHz
VSWR (MAX)	<3.0:1 @ 380-520 MHz <2.0:1 @ 600-6000 MHz
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Vertical

INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts
DIMENSIONS	133 mm x 298 mm
ANTENNA WEIGHT	.8 kg
MOUNTING	Ceiling
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS compliant

ANTENNAS & ACCESSORIES	CMS38606P-30NF	30 cm (12") cable	Type N-female connector
	CMS38606P-30D43F	30 cm (12") cable	Dual 4.3-10 DIN Female connector

CMSA69273P



The CMSA69273P is an indoor wideband omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, and 1690-2700 MHz for the GSM, DCS, UMTS, AWS-3, and LTE/WiMAX frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location. The pattern is also very uniform and symmetrical, providing system integrators with the ability to precisely determine cell size.

For more details visit www.lairdtech.com/products/URL



[VIEW DATASHEET \(EXTERNAL LINK\)](#)

FREQUENCY	698-960 MHz / 1690-2700 MHz
PEAK GAIN (TYP)	2.1-2.2 @ 698-960 MHz 1.9-4.3 @ 1690-2700 MHz
VSWR (MAX)	<2.0:1 across all bands
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Vertical
INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts

DIMENSIONS	86.0 x 198.8 mm
ANTENNA WEIGHT	.3 kg
MOUNTING	Ceiling
OPERATIONAL TEMP	-30°C to +70°C
STORAGE TEMP	-40°C to +85°C
COMPLIANCE	RoHS compliant
FLAMMABILITY	UL94 HB rating

ANTENNAS & ACCESSORIES	CMSA69273P-30NF	30 cm (12") cable	Type N-female connector	1 piece
	CMSA69273P-B30NF	30 cm (12") cable	Type N-female connector	BULK PACK (8 piece)

CMX69273P



The Patent Pending CMX69273P is an indoor broadband Low PIM 2 port MIMO omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor requirements at 698 to 960 MHz and 1710 to 2700 MHz frequency bands. The individual antenna elements are designed to radiate a pattern that has been specifically shaped to provide optimal radiation within a coverage zone.

For more details visit www.lairdtech.com/products/CMX69273P



[VIEW DATASHEET \(EXTERNAL LINK\)](#)

FREQUENCY	698-960 MHz / 1690-2700 MHz
PEAK GAIN (TYP)	4.1-4.3 dBi @ 698-960 MHz 2.1-3.1 dBi @ 1690-2700 MHz
ISOLATION (TYP)	<-21 dB @ 698-960 MHz <-30 db @ 1690-2700 MHz
VSWR (MAX)	<1.7:1 across all frequency bands
PIM, 3RD ORDER, 2X20W	<-154 dBc @ 698-960 (typ) <-153 dBc @ 1690-2700 MHz (typ) <-150 dBc (max)
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Linear H/V for each radiator

INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts
DIMENSIONS	250 mm x 49 mm
ANTENNA WEIGHT	.60 kg
MOUNTING	Ceiling mount (drywall or tile flush) OR above ceiling mount
OPERATIONAL TEMP	-30° C to +70° C
STORAGE TEMP	-40° C to +85° C
COMPLIANCE	RoHS compliant
FLAMMABILITY	UL94 V-0 Rating

ANTENNAS & ACCESSORIES	CMX69273P-30NF	30 cm, (12") cable	Dual Type N Female connector	1 piece
	CMX69273P-30D41F	30 cm, (12") cable	Dual Type 4.1-9.5 Female connector	1 piece
	CMX69273P-30D43F	30 cm, (12") cable	Dual Type 4.3-10 Female connector	1 piece
	CMX69273P-46D41F	46 cm (18") cable	Dual Type 4.1-9.5 Female connector	1 piece
	CMX69273P-46D43F	46 cm (18") cable	Dual Type 4.3-10 Female connector	1 piece
	CMX69273P-46NF	46 cm (18") cable	Dual Type N Female connector	1 piece
	CMX69273P-B30D41F	30 cm, (12") cable	Dual Type 4.1-9.5 Female connector	BULK PACK (6 pieces)
	CMX69273P-B30D43F	30 cm, (12") cable	Dual Type 4.3-10 Female connector	BULK PACK (6 pieces)
	CMX69273P-B30NF	30 cm, (12") cable	Dual Type N Female connector	BULK PACK (6 pieces)

CMQ69273P



The CMQ69273P operates within 698-960 / 1710-2700 MHz and is an indoor broadband Low PIM 4 port MIMO omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor requirements. The individual antennas elements are designed to radiate a pattern that has been specifically shaped to provide optimal radiation within a coverage zone.

For more details visit www.lairdtech.com/products/CMQ69273P



[VIEW DATASHEET \(EXTERNAL LINK\)](#)

FREQUENCY	698-960 MHz / 1690-2700 MHz
PEAK GAIN (TYP)	3.6-3.8 dBi @ 698-960 MHz 4.5-5.4 dBi @ 1690-2700 MHz
ISOLATION	<-15 dB @ 698-960 MHz <-17 dB @ 1690-2700 MHz
VSWR (MAX)	<2.0:1 across all frequency bands
PIM, 3RD ORDER, 2X20W	<-154 dBc @ 698-960 (typ) <-164 dBc @ 1690-2700 MHz (typ) <-153 dBc (max)
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Linear, Omnidirectional

INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts
DIMENSIONS	330 mm x 55.5 mm
ANTENNA WEIGHT	1.18 kg
MOUNTING	Ceiling (drywall or tile flush mount)
OPERATIONAL TEMP	-30° C to +70° C
STORAGE TEMP	-40° C to +85° C
COMPLIANCE	RoHS compliant
FLAMMABILITY	UL94 V-0 Rating

ANTENNAS & ACCESSORIES	Part Number	Description	Connector	Quantity
	CMQ69273P-30NF	30 cm, (12") cable	Dual Type N Female	1 piece
	CMQ69273P-30D41F	30 cm, (12") cable	Dual Type 4.1-9.5 Female	1 piece
	CMQ69273P-30D43F	30 cm, (12") cable	Dual Type 4.3-10 Female	1 piece
	CMQ69273P-46D41F	46 cm (18") cable	Dual Type 4.1-9.5 Female connector	1 piece
	CMQ69273P-46D43F	46 cm (18") cable	Dual Type 4.3-10 Female connector	1 piece
	CMQ69273P-46NF	46 cm (18") cable	Dual Type N Female connector	1 piece
	CMQ69273P-B30D43F	30 cm, (12") cable	Dual Type 4.3-10 Female connector	BULK PACK (10 piece)
	CMQ69273P-B30NF	30 cm, (12") cable	Dual Type N Female connector	BULK PACK (10 piece)

PAV69278I



The PAV69278I operates within 698-960 / 1710-2700 MHz and is a multiband, high gain directional panel antenna with vertical polarization. Capable of LTE700/Cellular/PCS/AWS/ MDS and global GSM900/ GSM1800 /UMTS/LTE2600 band operation. The radiation patterns are uniform and symmetrical, providing high level signal density into defined coverage zones. This antenna will greatly enhance the performance of LTE systems and is ideal for indoor applications. The antenna includes a wall mounting bracket, anchors and bolts.

For more details visit www.lairdtech.com/products/PAV69278I



[VIEW DATASHEET \(EXTERNAL LINK\)](#)

FREQUENCY	698-960 MHz / 1710-2700 MHz
GAIN	8 dBi
VSWR (MAX)	<2.0:1
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Vertical
INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	50 watts

DIMENSIONS	249.4 x 248.6 x 61.3 mm
ANTENNA WEIGHT	.62 kg
MOUNTING	Wall
OPERATIONAL TEMP	-30° C to +70° C
STORAGE TEMP	-40° C to +85° C
COMPLIANCE	RoHS compliant
FLAMMABILITY	UL94 HB Materials

ANTENNAS & ACCESSORIES	Part Number	Description	Connector
	PAV69278I-FNF	NA (Direct Connect)	Type Fixed N-female connector
	PAV69278I-30NF	30 cm (12") cable	Type N-female connector

PAV69278O



The PAV69278O operates within 698-960 / 1710-2700 MHz and is a multiband, high directional panel antenna with vertical polarization capable of operating in LTE700, Cellular, PCS, AWS, MDS and global GSM900,GSM1800, UMTS and LTE2600 bands. The radiation patterns are symmetrical, providing high level signal density into defined coverage zones. This antenna will greatly enhance the performance of LTE systems and is ideal for indoor or outdoor applications. The antenna includes a wall mounting bracket, anchors and bolts and can be mast mounted with bracket adapter and clamps.

For more details visit www.lairdtech.com/products/PAV69278O



[VIEW DATASHEET \(EXTERNAL LINK\)](#)

FREQUENCY	698-960 MHz / 1710-2700 MHz
PEAK GAIN (TYP)	6.8 dBm @ 698-960 MHz 7.6 dBm @ 1710-2700 MHz
VSWR (MAX)	<2.0:1 @ 698-960 MHz <2.0:1 @ 1710-2700 MHz
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Vertical
INDOOR/OUTDOOR	Outdoor

MAX INPUT POWER	50 watts
DIMENSIONS	249.4 mm x 248.6 mm x 61.3 mm
ANTENNA WEIGHT	.62 kg
MOUNTING	Wall / Mast
OPERATIONAL TEMP	-40° C to +70° C
STORAGE TEMP	-40° C to +85° C
COMPLIANCE	RoHS
FLAMMABILITY	UL94 HB Materials

ANTENNAS & ACCESSORIES	Part Number	Description	Connector
	PAV69278O-FNF	NA (Direct Connect)	Type Fixed N-Female connector
	PAV69278O-30NF	30 cm (12") cable	Type N-Female connector

PAV69278PO



The PAV69278PO operates within 698-960 / 1710-2700 MHz and is a Low PIM, multiband, high gain directional panel antenna with vertical polarization. This antenna is capable of LTE700/Cellular/PCS/AWS/MDS and global GSM900/GSM1800/UMTS/LTE2600 band operation. The radiation patterns are uniform and symmetrical, providing high level signal density into defined coverage zones. This antenna will greatly enhance the performance of LTE systems and is ideal for indoor or outdoor applications.

For more details visit www.lairdtech.com/products/PAV69278PO

FREQUENCY	698-960 MHz / 1710-2700 MHz
PEAK GAIN (TYP)	7.0-7.6 dBi @ 698-960 MHz 7.1-8.7 dBi @ 1710-2700 MHz
VSWR (MAX)	<1.8:1 @ 698-960 MHz <1.9:1 @ 1710-2700 MHz
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Vertical
INDOOR/OUTDOOR	Outdoor

MAX INPUT POWER	50 watts
DIMENSIONS	249.4 x 248.5 x 61.3 mm
ANTENNA WEIGHT	.62 kg
MOUNTING	Wall / Mast
OPERATIONAL TEMP	-40° C to +70° C
STORAGE TEMP	-40° C to +85° C
COMPLIANCE	RoHS
FLAMMABILITY	UL 95-HB Materials



VIEW DATASHEET
(EXTERNAL LINK)

ANTENNAS & ACCESSORIES	PAV69278PO-FNF	NA (Direct Connect)	Fixed N-female
	PAV69278PO-30NF	30 cm (12") cable	Type N-female
	PAV69278PO-30D43F	30 cm (12") cable	4.3-10 DIN female

SL8025WP



The SL8025WP operates within 806-2570 MHz is a tri-band linearly polarized 3 dBi omnidirectional panel antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 806-960 1710-2170 and 2400-2500 MHz for the GSM DCS and UMTS frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location.

For more details visit www.lairdtech.com/products/SL8025WP

FREQUENCY	806-960 MHz / 1710-2170 MHz / 2400-2500 MHz
PEAK GAIN (TYP)	3 dBi (nominal)
VSWR	2:1
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Linear
INDOOR/OUTDOOR	Indoor

MAX INPUT POWER	10 watts
DIMENSIONS	152.4mm x 152.4 mm x 31.75mm
ANTENNA WEIGHT	.34 kg
MOUNTING	Ceiling
COMPLIANCE	RoHS compliant
FLAMMABILITY	UL 94V0 Materials



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(EXTERNAL LINK)

ANTENNAS & ACCESSORIES	SL8025WP-36NM	90 cm (36") cable	Type N-Male
	SL8025WP-365MM	90 cm (36") cable	SMA Male
	SL8025WP-72NM	180 cm (72") cable	Type N-Male

SL69273PTL



The SL69273PTL operates within 698-2700 MHz and is a 3 port Omni antenna designed especially for indoor ceiling mounting. The antenna is multi-band, port 1 operates in the 698-806 MHz; 1710-2170 MHz; port 2 operates in the 824-894 MHz; 1850-2170 MHz and port 3 operates in the 2500-2700 MHz frequency band.

For more details visit www.lairdtech.com/products/SL69273PT

FREQUENCY	698-806 MHz / 824-894 MHz / 1710-2170 MHz / 2500-2700 MHz
PEAK GAIN	Port 1 - 3 dBi @ 698-806 MHz, 1710-2170 MHz Port 2 - 2 dBi @ 824-894 MHz, 1850-1990 MHz Port 3 - 2 dBi @ 2500-2700 MHz
VSWR	<2.0:1
NOMINAL IMPEDANCE	50 ohms
POLARIZATION	Vertical

INDOOR/OUTDOOR	Indoor
MAX INPUT POWER	5 watts
DIMENSIONS	216 mm x 43 mm
ANTENNA WEIGHT	.70 kg
MOUNTING	Ceiling
COMPLIANCE	RoHS
FLAMMABILITY	UL 94V0 Materials



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ANTENNAS & ACCESSORIES	SL69273PTL36NM	36" Cable	Type N-Male Connector
	SL69273PTL72NM	72" Cable	Type N-Male Connector

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