

CMS38606P

Low PIM Ceiling Mount Omnidirectional Antenna 380-960 MHz/1395-6000 MHz

The CMS38606P 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 is specifically shaped to provide optimal performance from a ceiling mount location.

FEATURES AND BENEFITS

- Low profile aesthetically-neutral housing
- Mounts directly and easily to ceiling tile
- Excellent flame retardancy rating
- IP67 rated ingression protection and RoHS compliant
- Broadband product with provision for the UHF, 600 MHz, 1390-1432 MHz, and AWS-3 bands in a single solution
- Low PIM performance minimizes interference and improves in-building wireless network coverage and capacity
- Attractive, compact design and form factor ideal for indoor solution applications
- In-building IFC and NFPA regulation compliant

APPLICATIONS

- FirstNet/Public Safety
- In-building wireless
- Neutral host providers
- Cellular and LTE
- Small cells

ELECTRICAL SPECIFICATIONS							
Operating Frequency (MHz)	380-520	600-806	806-960	1395-1435	1690-2200	2200-4300	4300-6000
Peak Gain, dBi (Typ)	2.2	2.1	2.6	5.3	5.7	5.8	5.4
Peak Gain, dBi (Max)	3.1	2.7	2.9	5.4	6.1	7.0	6.1
VSWR – Avg	<2.8:1	<1.7:1	<1.9:1	<1.4:1	<1.6:1	<1.9:1	<1.6:1
VSWR – Max	<3.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1
PIM, 3rd Order, 2 x 20W, dBc (Typ)	<-154	<-154		NA	<-152		
PIM, 3rd Order, 2 x 20W, dBc (Max)	<-150	<-150		NA	<-150		
Nominal Impedance (Ohms)	50						
Max Power - Ambient 25°C (W)	50						
Polarization	Vertical						
Azimuth Beam Width	360°, Omnidirectional						

MECHANICAL SPECIFICATIONS	
Dimensions – mm (inches)	133 x 298 (5.23 x 11.7)
Weight – kg (lbs.)	0.8 (1.76)
Radome Material	PC, UV Stable, UL94-V0 Material
Antenna Color	White

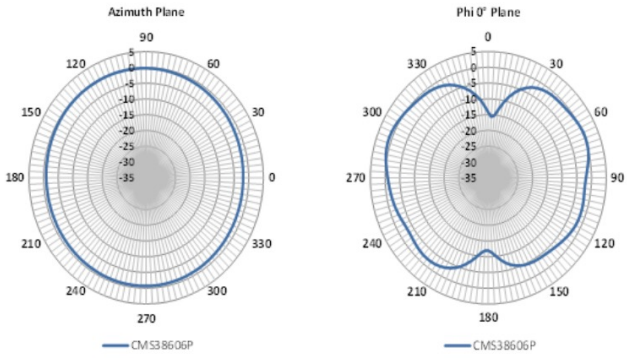
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature - C (°F)	-30° to +70° C (-22° to +158° F)
Storage Temperature – C (°F)	-40° to +85° C (-40° to 185° F)
Ingress Protection Rating	IP67
Material Substance Compliance	RoHS

CONFIGURATION

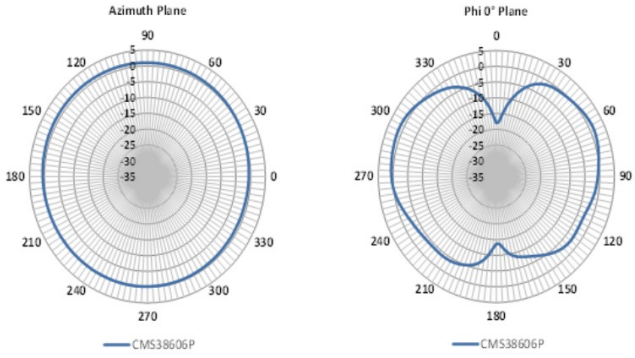
PART NUMBER	CABLE LENGTH	CONNECTOR
CMS38606P-30NF	30 cm (12 in.)	Type N Female
CMS38606P-30D43F	30 cm (12 in.)	4.3-10 Female

RADIATION PATTERNS

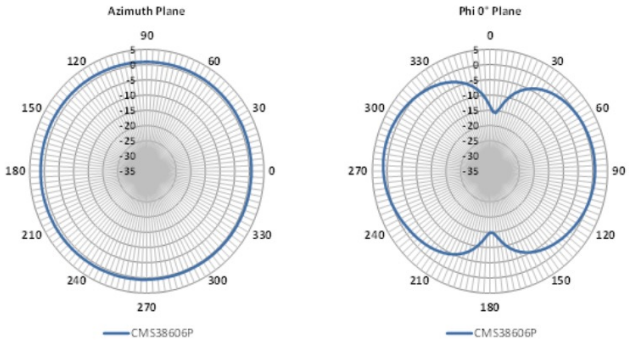
400 MHz



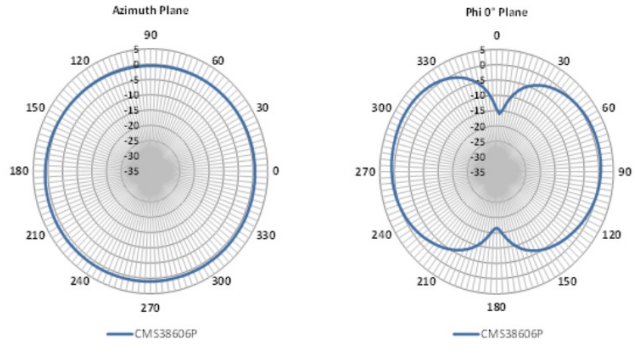
520 MHz



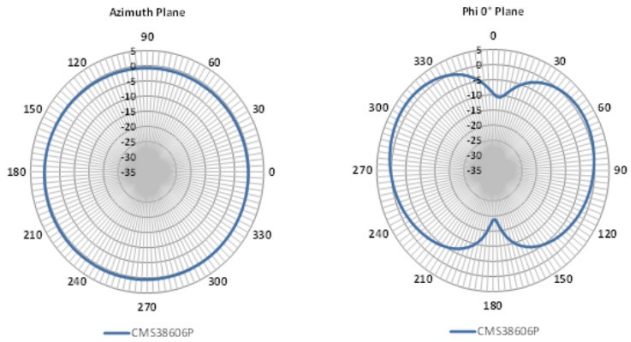
600 MHz



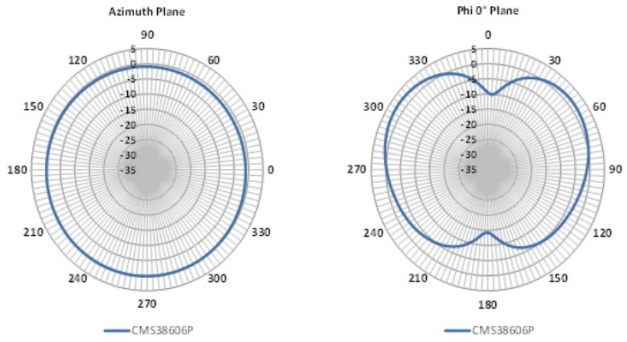
698 MHz



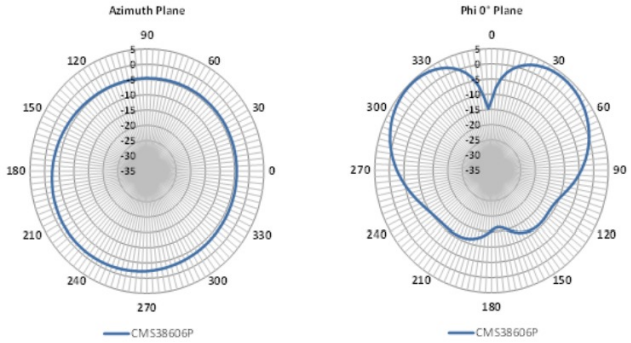
850 MHz



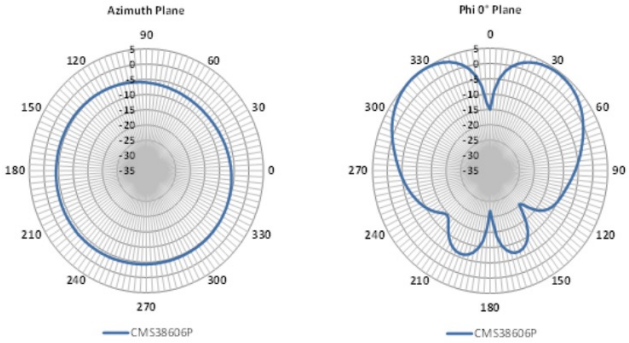
960 MHz



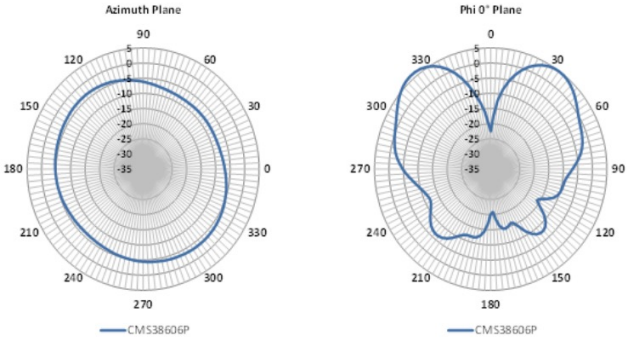
1395 MHz



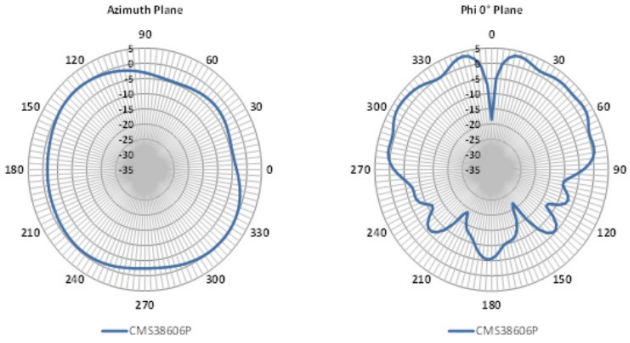
1690 MHz



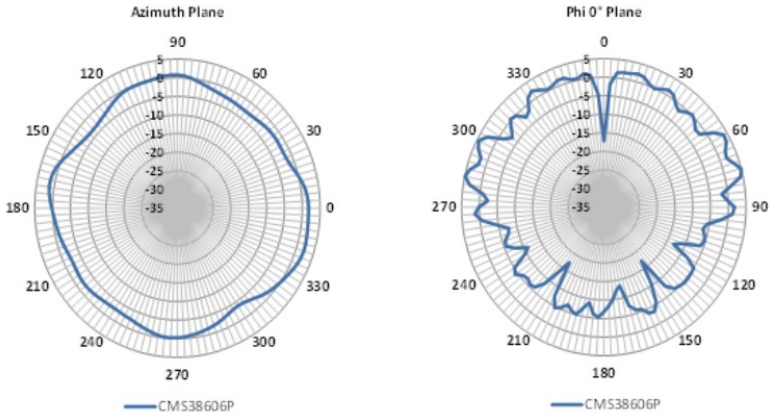
2700 MHz



4300 MHz



5950 MHz



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