

88-108 MHz

FM Band II

Band II Circularly Polarized

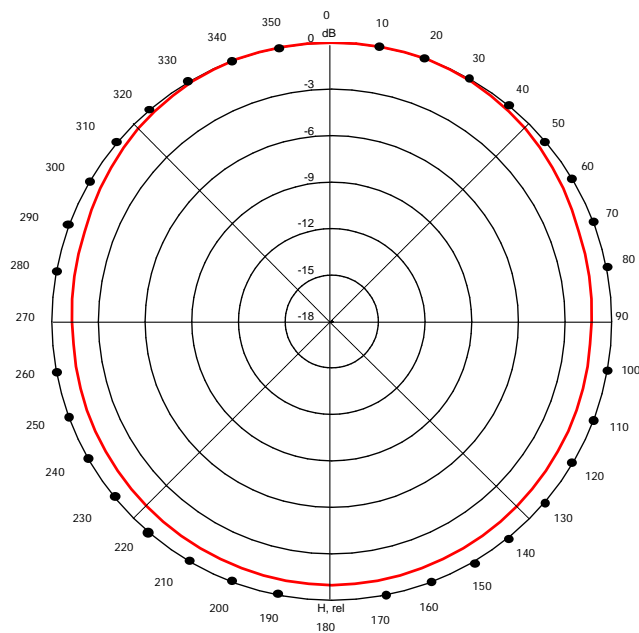
Model PAFM-LCP



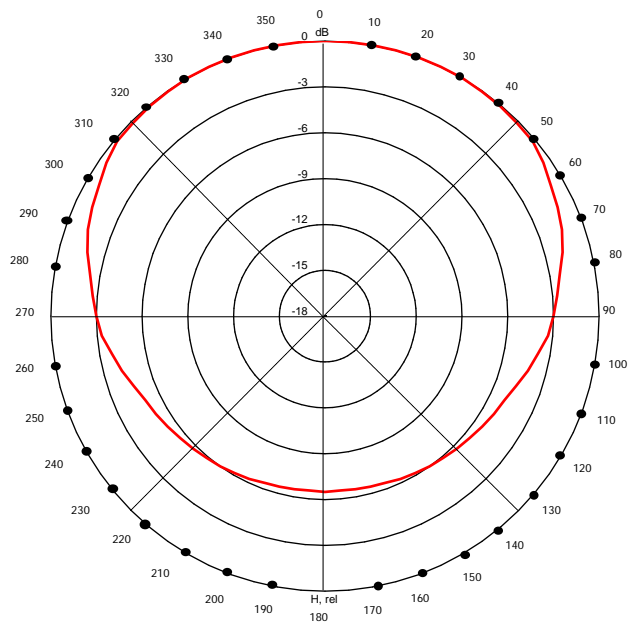
Circularly polarized low power FM broadcast antenna manufactured from aluminum or stainless steel. The antenna is very small, lightweight, has low wind load, and will accept 500 watts maximum input power.

The antenna is pre-tuned to the desired frequency prior to shipping.

Electrical



H pol - Horizontal Pattern (E-Plane)



V pol - Vertical Pattern (H-Plane)

Frequency Range:	88-108 MHz
Input connector:	N female
VSWR:	< 1.08 ± 200 KHz
Gain (single):	-2.0 dBd
Polarization:	Circular
Impedance:	50 Ω
Max. input power:	500 W
-3dB HPBW (E-Plane):	360 degrees
-3dB HPBW (H-Plane):	180 degrees

Mechanical

- Exterior material: Aluminum or stainless steel
- Grounding: Antenna and radiating elements are DC grounded for lightning protection
- Mounting clamps: HDG clamps are included for attachment to customer supplied mast of any OD. Please specify when ordering
- Stacking: The antenna is ideal for stacking to achieve an increase in gain.
- Shipping: The antenna is shipped disassembled



# of Bays	Gain (dBd)	Gain (Pr)	Weight (Kg)		Overall Height (Meters @ 98 MHz)	Windload N @ 160 km/h	
			Alum.	Steel		Frontal	Lateral
1	-2.00	0.63	5	9	0.50	50	47
2	1.00	1.26	10	18	2.00	100	94
3	2.80	1.91	15	27	3.50	150	141
4	4.00	2.51	20	36	5.00	200	188
6	5.80	3.80	30	54	8.00	300	282
8	7.00	5.01	40	72	11.00	400	376
12	8.70	7.41	60	108	17.00	600	564

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Antenna Height { H } in Meters Antenna Spacing { S } in mm @ 98 MHz		
No of Bays	H	S
1	0.50	-
2	2.00	1500
3	3.50	1500
4	5.00	1500
6	8.00	1500
8	11.00	1500
12	17.00	1500

NOTE: These specifications refer to half-wave spacing at the frequency of use.

