

LOG - PERIODIC Aerials

LP SERIES with F connector



Log-periodic pre-assembled aerials characterized by: extremely easy connection due to the connector being located near the mast clamp. High level design of the dipole connection guarantees a highly reliable RF contact. Due to the specific mast clamp these aerials can be assembled in vertical or horizontal polarisation without additional accessories. They are characterized by excellent mechanical clamp resistance of the boom elements, excellent mechanical resistance at the rotation around the mast and good electrical performances. F connector is protected by a cap with bayonet clamp.

Main specifications

- Bandwidth 862MHz
- UHF band
- Impedance 75 Ohm
- 60 mm is the maximum mast clamp diameter

Article code		LP345F 216170	LP345MF 216169	LP45F 216149	LP5F 216108	LPV345F 217350	LP34F 216135
Band		III + UHF	III + UHF	UHF	V	III + UHF	III + IV
Channels	Europe	E5 - E12 / E21 - E69	E5 - E12 / E21 - E69	E21 - E69	E38 - E69	E5 - E12 / E21 - E69	E5 - E12 / E21 - E69
Bandwidth	MHz	174 - 230 470 - 862	174 - 230 470 - 862	470 - 862	606 - 862	174 - 230 470 - 862	174 - 230 470 - 606
Maximum gain	dBi	9.5 / 11	8.5 / 9.5	11	12	9 / 11.5	9.5 / 11
Front-to-back-ratio	dB	24 / 32	22 / 30	36	36	24 / 32	21 / 25
Return loss	dB	-16 / -16	-14 / -13	-15	-15	-18 / -13	-18 / -15
Beamwidth (-3dB)	°	+/-34 +/-31	+/-34 +/-30	+/-28	+/-25	+/-23 +/-21	+/-35 +/- 28
Wind load at 120km/h (720/m ²)	kg (N)	3.9 (38.25)	2.7 (26.48)	3.0 (29.43)	3.0 (29.43)	2.8 (27.46)	2.8 (27.46)
Impedance	Ohm	75	75	75	75	75	75
Connector	type	F	F	F	F	F	F
Maximum mast Ø	mm	60	60	60	60	60	60
Dimensions	mm	115 x 86	77 x 86	99 x 32	99 x 24	75 x 79	115 x 86
Accessories							
Horizontal polarisation		included					
Horizontal polarisation with tilt adj.		PV10					
Vertical polarisation		included					
Vertical polarisation with tilt adj.		PV-10					
Auxiliary boom		N/A					

Code Fracarro	Article	Packaging	Quantità	Dimensions	Unit weight	Total weight
			pieces	mm	kg	kg
216170	LP345F	Box	20	1100 × 1090 × 410	1.12	22.4
216169	LP345MF	Box	20	1200 × 750 × 410	0.90	18.0
216149	LP45F	Box	20	1010 × 490 × 420	0.792	15.84
216108	LP5F	Box	20	1010 × 490 × 420	0.767	15.35
217350	LPV345F	Box	20	710 × 700 × 690	0.85	17.0
216135	LP34F	Box	20	1180 × 1080 × 420	1.125	22.5

FREQUENCY PERFORMANCE

LP345F	GAIN	BAND III	
		BAND UHF	
	DIRECTIVITY	BAND III	
		BAND UHF	

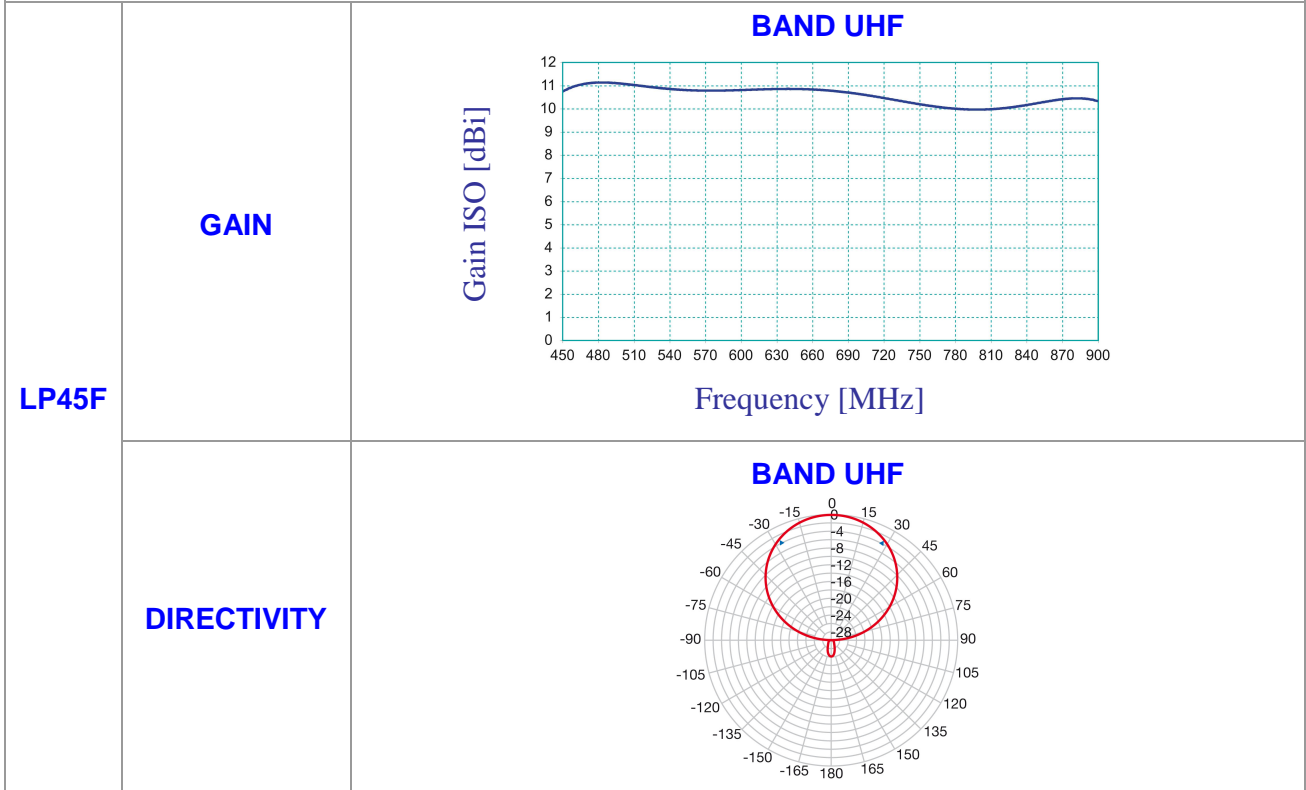


FREQUENCY PERFORMANCE

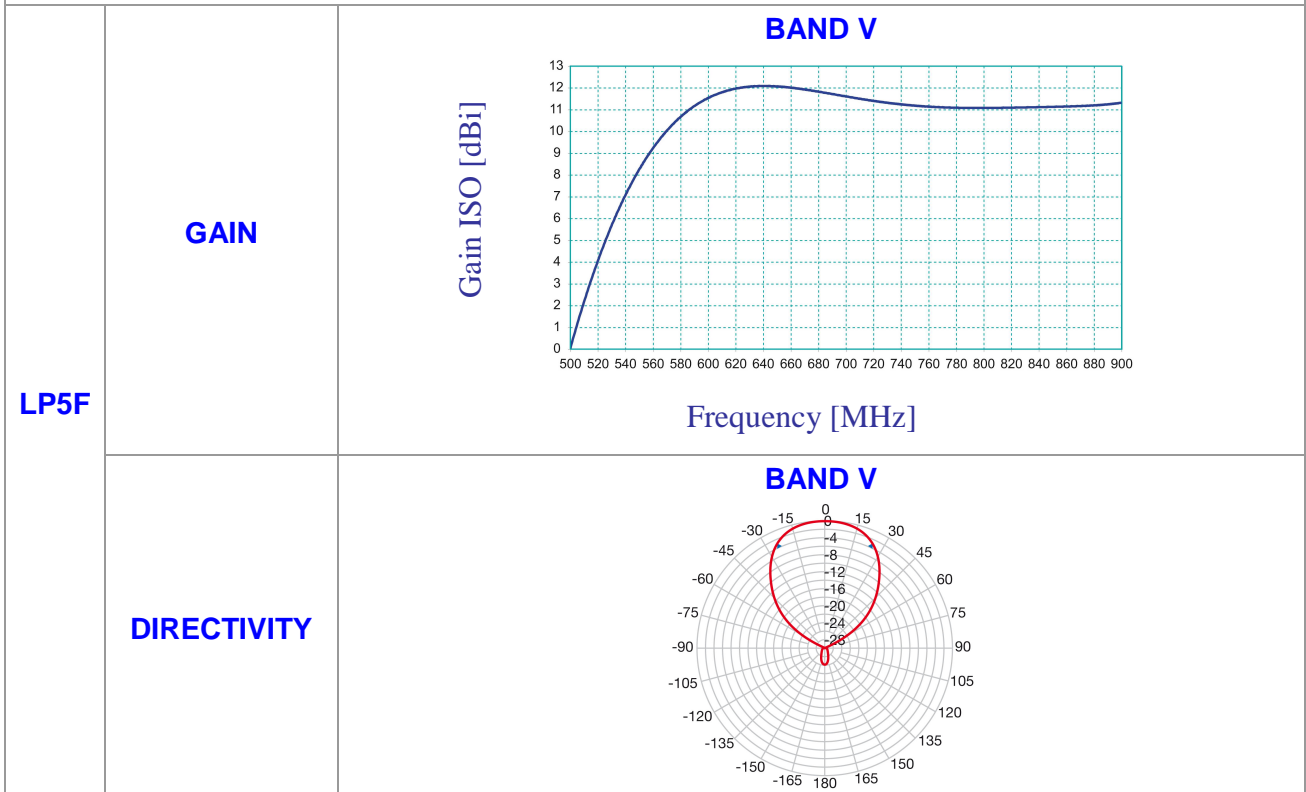
LP345MF	GAIN	BAND III	<p>Gain ISO [dBi]</p> <p>Frequency [MHz]</p>
		BAND UHF	<p>Gain ISO [dBi]</p> <p>Frequency [MHz]</p>
	DIRECTIVITY	BAND III	
		BAND UHF	



FREQUENCY PERFORMANCE



FREQUENCY PERFORMANCE



FREQUENCY PERFORMANCE

LPV345F	GAIN	BAND III	<p>Gain ISO [dBi]</p> <p>Frequency [MHz]</p>
		BAND UHF	<p>Gain ISO [dBi]</p> <p>Frequency [MHz]</p>
	DIRECTIVITY	BAND III	
		BAND UHF	



FREQUENCY PERFORMANCE			
LP34F	GAIN	BAND III	
		BAND IV	
	DIRECTIVITY	BAND III	
		BAND IV	

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