

LOG - PERIODIC Aerials

LP SERIES with F connector



Log-periodic pre-assembled aerials which are easy to connect 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 characterised 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.

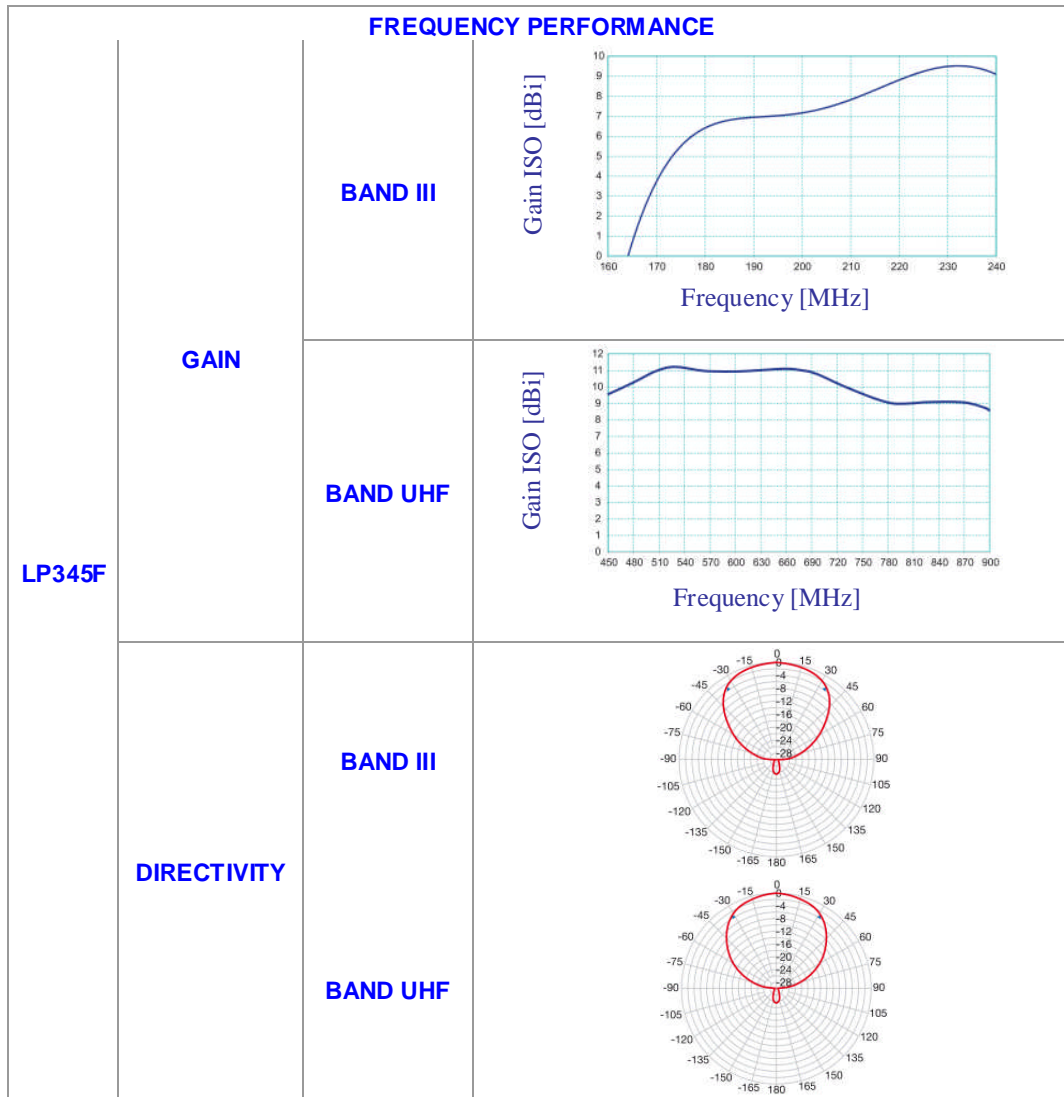
Main specifications

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

		LP345F	LP345MF	LP45F	LP5F	LPV345F	LP34F
Fracarro code		216170	216169	216149	216108	217350	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 (720m 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					

Formattato: Inglese (Gran Bretagna)

Fracarro Code	Item	Packaging	Quantity	Dimensions	Unit weight	Total weight
				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

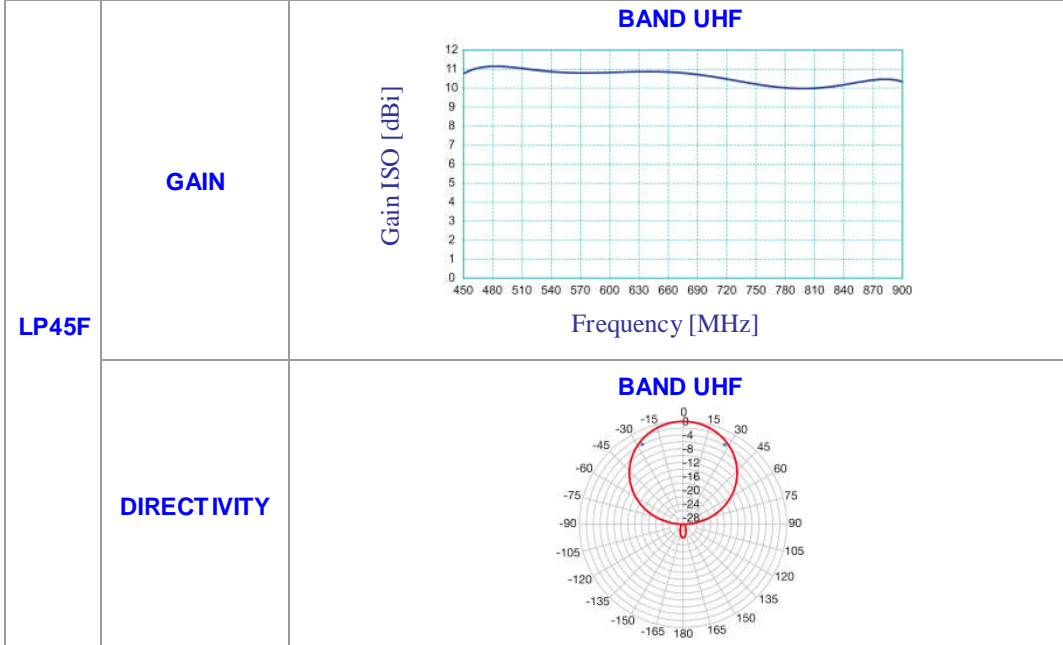


FREQUENCY PERFORMANCE

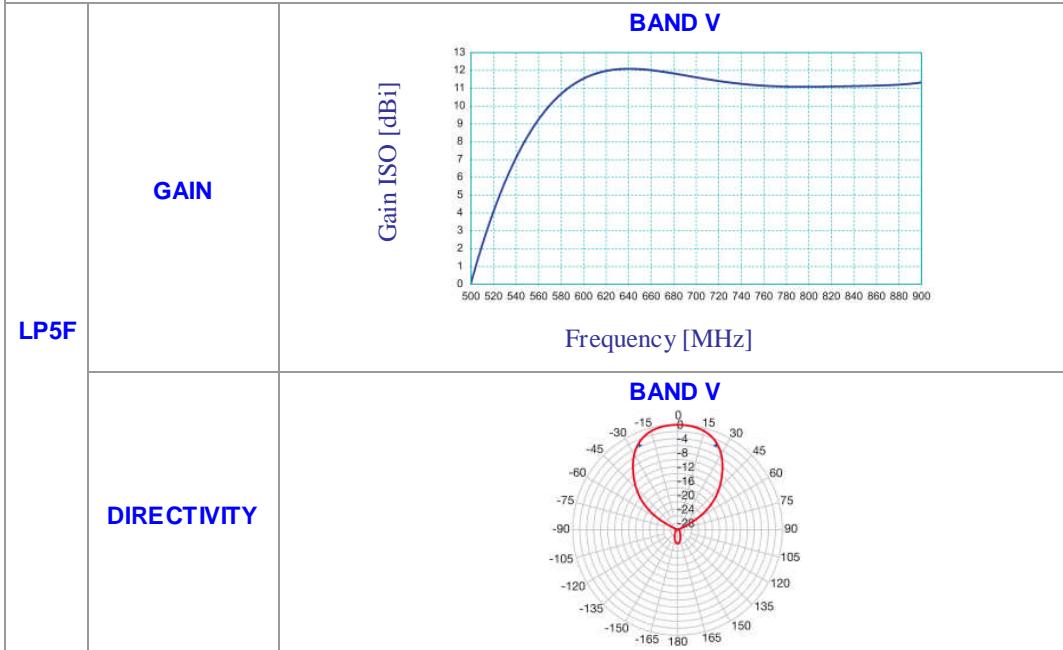
LP345MF	GAIN	BAND III	
		BAND UHF	
	DIRECTIVITY	BAND III	
		BAND UHF	

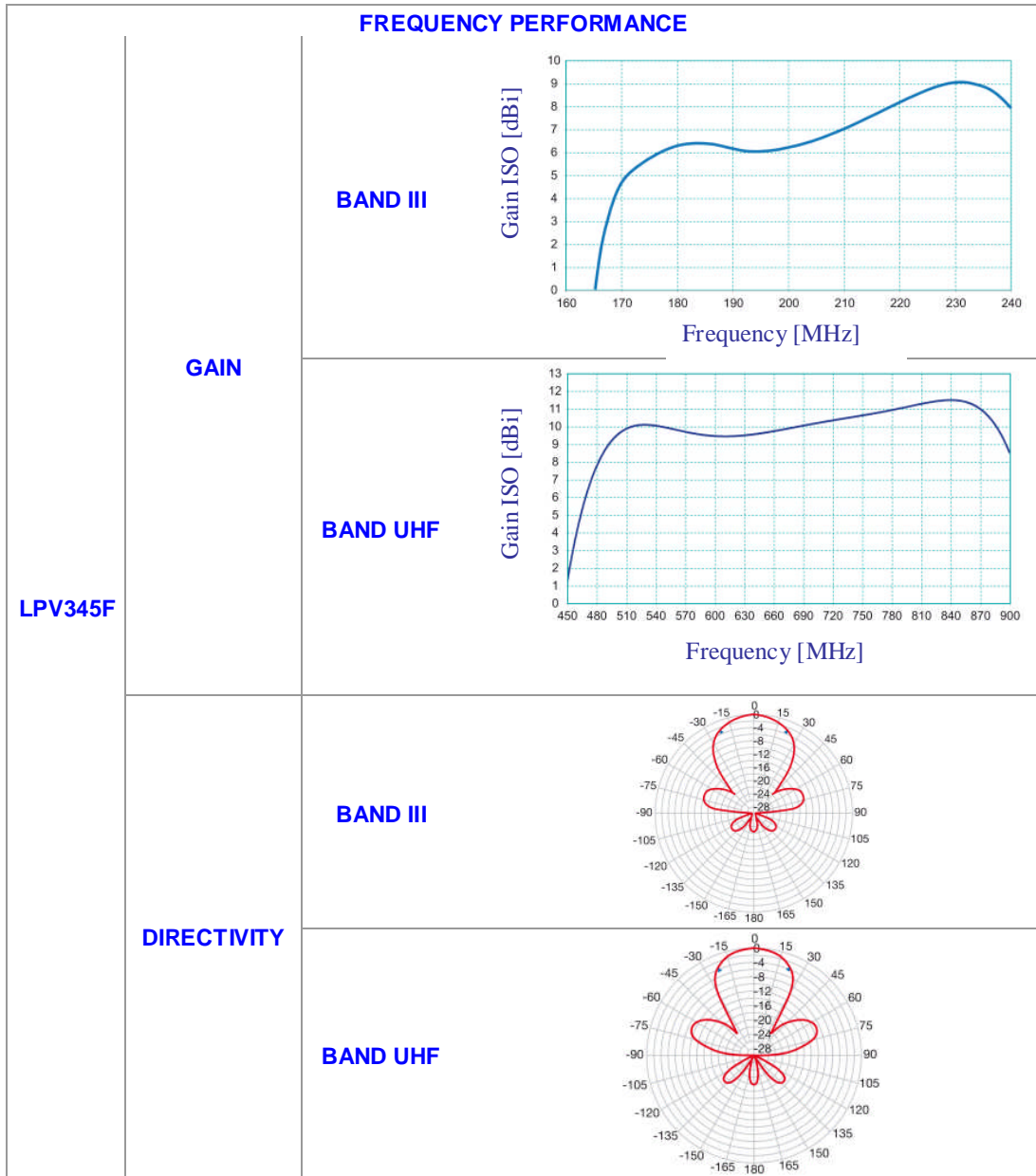


FREQUENCY PERFORMANCE



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FREQUENCY PERFORMANCE

LP34F	GAIN	BAND III	
		BAND IV	
	DIRECTIVITY	BAND III	
		BAND IV	

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