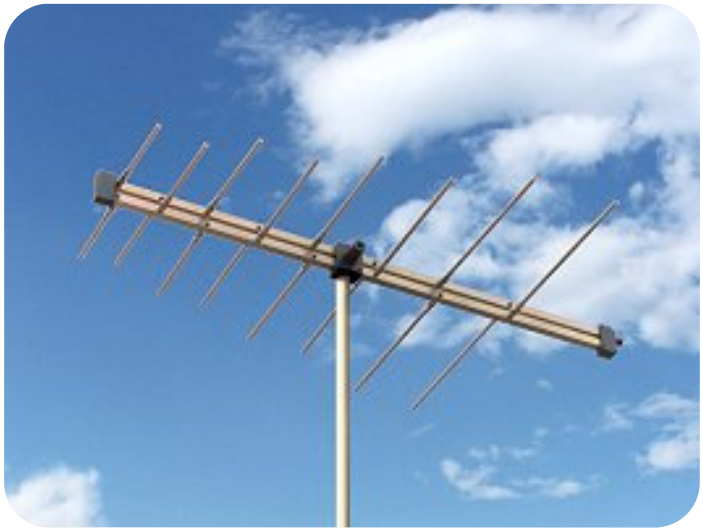
Antenna type ARL170R/F250XZ

DIRECTIONAL BROADBAND ANTENNA

170 ÷ 250 MHZ



ELECTRICAL DATA		
Frequency range A	MHz	170 ÷ 250
Bandwidth	MHz	8
Gain max .	dBi	9.5
Return loss	dB	≥ -14
VSWR		≤ 1.5:1
Nominal impedance	Ω	50
Polarization	Ω	V/H
H beamwidth 170 Mhz	-3 dB	100°
H beamwidth 200 Mhz	-3 dB	80°
H beamwidth 230 Mhz	-3 dB	90°
E beamwidth 170 Mhz	-3 dB	60°
E beamwidth 200 Mhz	-3 dB	55°
E beamwidth 230 Mhz	-3 dB	50°
Max Power	W	200 W
Connector		Nf
Lightning protection	All metal parts are D.C. grounded	

MECHANICAL DATA		
Dimension length	mm	1225X920x130
Elements numbers		8
Weight without clamp	kg	2.9
Wind surface	m²	Front 0.02 side 0.07
Front wind load	Kg	0.7 (25 m/s)
Side wind load	Kg	2.9 (25 m/s)
Mounting +/- 90°	mm	standard polarizer Ø 30

MATERIALS

Anticorodal alluminium - Brass - Teflon

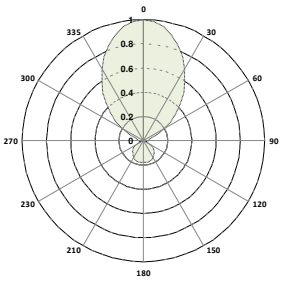
- Polyvinyl chloride - RoHS compliance

ACCESSORIES

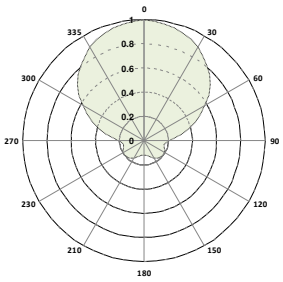
SUPIS01		Isolation fiberglass pole Ø 35 x 1000
BAG170250		Transport bag

ORDERING AND PACKAGING INFORMATIONS

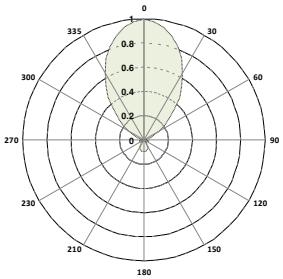
ARL170**F**250XZ	With unscrewed elements
ARL170**R**250XZ	With folding elements
PACKAGING mm.	1300x200x200 / weight 4 Kg



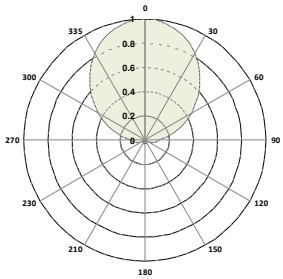
170 Mhz E plane



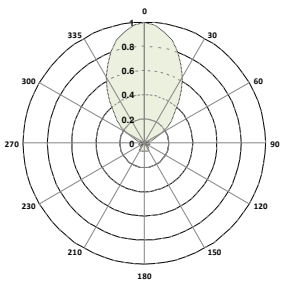
170 Mhz H plane



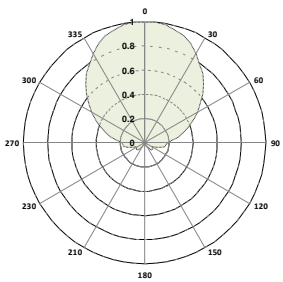
200 Mhz E plane



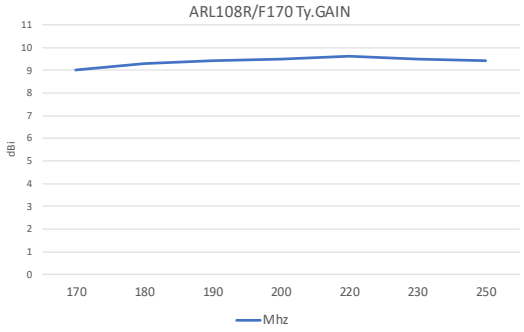
200 Mhz H plane

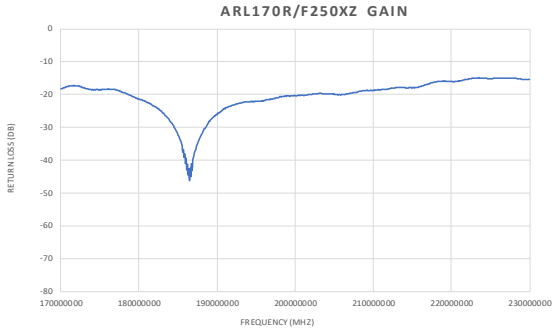


230 Mhz E plane



230 Mhz H plane





In relazione alle normative in materia di responsabilità sui prodotti, segnaliamo che nel caso di utilizzo delle nostre antenne in condizioni operative particolari, quali ad esempio forti sollecitazioni dinamiche dovute a vento, vibrazioni o deformazioni delle strutture di sostegno, si possono verificare rotture del prodotto stesso e/o la caduta a terra. L'installatore che deve essere altamente qualificato, deve conoscere le normative nazionali di sicurezza in vigore, deve seguire le informazioni contenute nelle nostre istruzioni, deve verificare sempre l'adeguatezza del prodotto stesso alle condizioni operative del sito di installazione e deve controllare l'installazione operando la manutenzione periodica dell'impianto. ---- In relation to the laws concerning product liability, we notify you that in case you use our antennas in severe operative conditions such as, for example, strong wind, vibrations or distortions of the support structure, the product can break and/or fall down. The person who install the product must be skilled, must know the national security law in force, must follow the product instructions, must check that the product is compatible with the installation site and must control the installation with periodical maintenance.

Updating 02/2017

PROTEL reserves the right to amend or modify any time in order to improve designs and to supply the best possible product described in this brochure without prior notification.

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