



# Antenna type ARLO3810XZ DAB

DIRECTIONAL BROADBAND ANTENNA

**170 ÷ 230 MHz**



## ELECTRICAL DATA

<b>Frequency range A</b>	MHz	170 ÷ 230
<b>Bandwidth</b>	MHz	60
<b>Gain max .</b>	dB	9.5
<b>Return loss</b>	dB	≥ -14
<b>VSWR</b>		≤ 1.5:1
<b>Nominal impedance</b>	Ω	50
<b>Polarization</b>	Ω	V/H
<b>H beamwidth 170 Mhz</b>	-3 dB	100°
<b>H beamwidth 200 Mhz</b>	-3 dB	80°
<b>H beamwidth 230 Mhz</b>	-3 dB	90°
<b>E beamwidth 170 Mhz</b>	-3 dB	60°
<b>E beamwidth 200 Mhz</b>	-3 dB	55°
<b>E beamwidth 230 Mhz</b>	-3 dB	50°
<b>Max Power</b>	W	700W - 1.5 kW
<b>Connector</b>		X Nf 700w o W 7/16 -1.5 W
<b>Lightning protection</b>	All metal parts are D.C. grounded	

## MECHANICAL DATA

<b>Dimension length</b>	mm	1300X920x130
<b>Elements numbers</b>		8
<b>Weight without clamp</b>	kg	7.5
<b>Wind surface</b>	m <sup>2</sup>	Front 0.02 side 0.4
<b>Front wind load</b>	Kg	9 ( 25 m/s )
<b>Side wind load</b>	Kg	45 ( 25 m/s )
<b>Mounting +/- 90°</b>	mm	Ø 60 ÷ 114

## MATERIALS

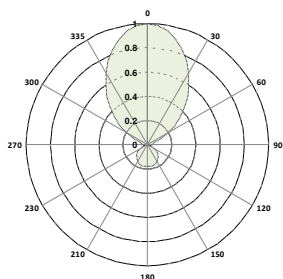
Stainless steel – aluminium Teflon – Brass –  
- RoHS compliance

## ACCESSORIES

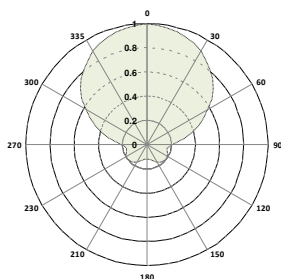
ARLO3810F	1xCLAMP	hot-dip galvanizing /weight 3.5 Kg
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## ORDERING AND PACKAGING INFORMATIONS

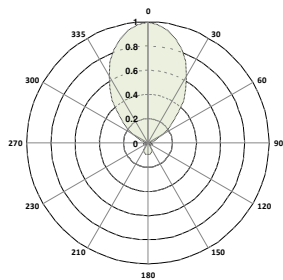
AR03810XA	stainless-steel boom and aluminium elements
AR03810XI	stainless-steel boom and stainless-steel elements
PACKAGING mm.	1600x200x200



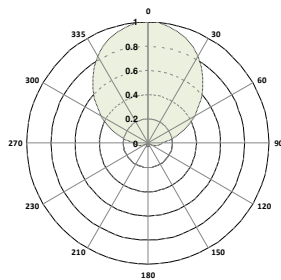
170 Mhz E plane



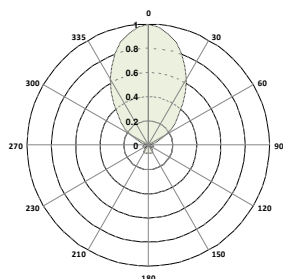
170 Mhz H plane



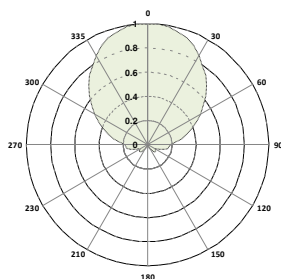
200 Mhz E plane



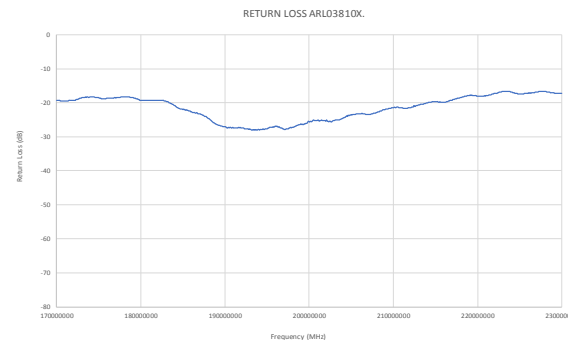
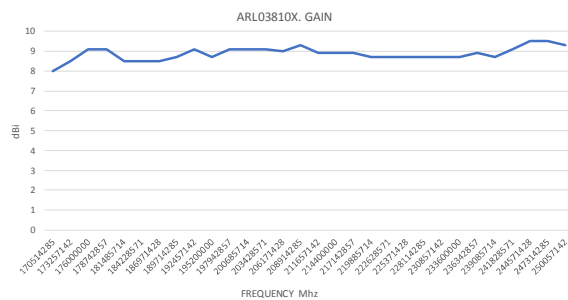
200 Mhz H plane



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  
10/2018

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

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