Antenna type ARL108138XZ

DIRECTIONAL BROADBAND ANTENNA

108 ÷ 138 MHz



- BROADBAND AERONAUTICAL ANTENNA
- DIRECTIONAL PATTERN
- LINEAR POLARIZATION
- HIGHT MECHANICAL PERFORMANCE
- DESIGNED FOR AIR-GROUND OPERATION
- D.C. GROUNDED

● Antenna logaritmica ad alto guadagno progettata per la banda aeronautica per le comunicazioni terra-bordo-terra. Realizzata in alluminio o acciaio inossidabile, assicura resistenza agli agenti atmosferici e massima affidabilità anche in ambienti particolarmente critici. Ideale per installazioni professionali a servizio continuo anche ad alta potenza.

● *High-gain log-periodic antenna designed for the aeronautical band for ground–air–ground communications. Manufactured in aluminium or stainless steel, it ensures weather resistance and maximum reliability even in highly demanding environments. Ideal for professional installations in continuous service, including high-power operation.*

● *Antena logarítmica de alta ganancia diseñada para la banda aeronáutica para comunicaciones tierra-aire-tierra. Fabricada en aluminio o acero inoxidable, garantiza resistencia a la intemperie y máxima fiabilidad incluso en entornos especialmente exigentes. Ideal para instalaciones profesionales de servicio continuo, también a alta potencia.*

● *Antenne logarithmique à gain élevé conçue pour la bande aéronautique pour les communications sol-bord-sol. Réalisée en aluminium ou en acier inoxydable, elle assure une résistance aux intempéries et une fiabilité maximale, y compris dans des environnements particulièrement exigeants. Idéale pour des installations professionnelles en service continu, y compris à forte puissance.*

ELECTRICAL DATA		
Frequency range	MHz	108 ÷ 138
Bandwidth	MHz	30
Gain max .	dBi	9.5
Return loss	dB	≥ -14
VSWR		≤ 1.5:1
Nominal impedance	Ω	50Ω
Polarization		V/H
H beamwidth	-3dB	90°
E beamwidth	-3dB	60°
Max Power	W	500 (Nf) - 2000 (7/16f)
Connector		Nf 7/16f
Lightning protection	All metal parts are D.C. grounded	

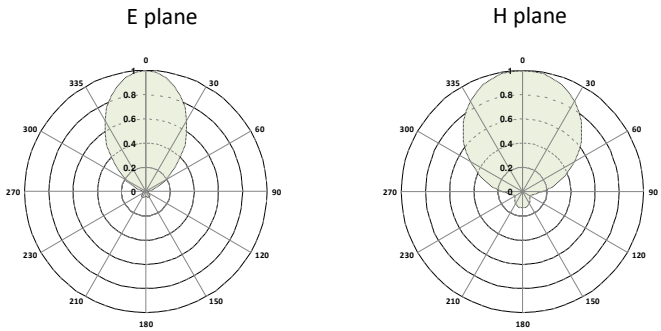
MECHANICAL DATA		
Dimension length	mm.	1850Xh1380x90
Elements numbers		9
Weight without clamp	Kg.	4 al.-5 stainless steel
Front wind load	N	2 (46 m/s)
Side wind load	N	298 (46 m/s)
Mounting	mm.	Ø 60 ÷ 114

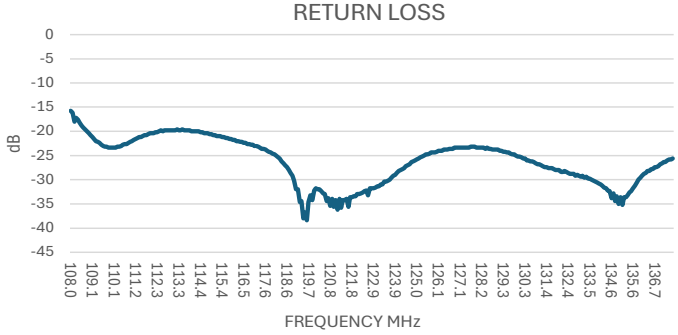
MATERIALS
Anticorodal alluminium - Brass - Teflon
- stainless steel - RoHS compliance

ACCESSORIES	
ARL108138F	Stainless steel clamp mast Ø 60÷114mm.

ARL108138XZ	Elements-boom aluminium anticorodal 6060
ARL108138IXZ	Elements-boom stainless steel
PACKAGING	1900x200x200 mm./ weight 9 Kg with clamps

Typ. beamwidth





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.

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