Antenna type AR1012.1

DIRECTIONAL LTE GSM GSM-R BROADBAND ANTENNA

790 ÷ 960 MHZ



- LTE-GSM-GSM-R- BROADBAND ANTENNA
- HIGH GAIN DIRECTIONAL PATTERN
- LINEAR POLARIZATION
- FULL FLAME RETARDANT RADOME*
- HIGH MECHANICAL PERFORMANCE
- SPECIAL FOR TUNNEL
- RAILWAY – HIGHWAY - SUBWAY

• Antenna direzionale ad alto guadagno a larga banda LTE, GSM, GSM-R 790÷960 MHz - con polarizzazione verticale. Costruita di serie con copertura di protezione contro urti e forti agenti atmosferici in vetroresina *anche in versione flame retardant. Tutta l'antenna è elettricamente a massa. Progettata specificatamente per la copertura radio telefonica in gallerie autostradali ferroviarie e metropolitane.

• *Directional antenna with high gain broadband LTE, GSM, GSM-R, 790 ÷ 960 Mhz - with vertical polarization. Built as standard with fiberglass protection cover against shocks and strong atmospheric agents * also in flame retardant version. The whole antenna is electrically grounded. Specifically designed for radio coverage in motorway, railway and underground tunnels.*

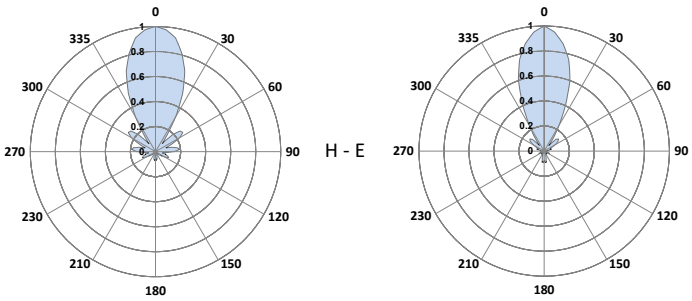
ELECTRICAL DATA		
Frequency range A	MHz	790÷960
Bandwidth	MHz	170
Nominal impedance	Ω	50
Return loss	dB	≥-14
VSWR		≤1.5:1
Gain max	dBi	13
Polarization		V
E beamwidth typ.	-3dB	40°
H beamwidth typ.	-3dB	50°
Connector		7/16 f
Max Power	W	200
Lightning protection	All metal parts are D.C. grounded	

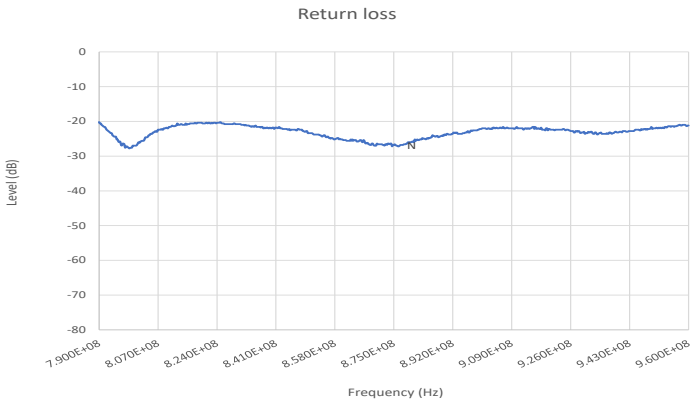
MECHANICAL DATA		
Dimension length	mm	Ø 330 x 830
Weight	kg	4.1
Ice protection	fiberglass full radome	

MATERIALS
Aluminium, Teflon, Copper, Brass, Silver 5µm RoHS Compliant

ACCESSORIES		
CODE	**TYPE**	**DIMEN.WEIGHT**
AR1012F.i	1 clamps 3 Kg	hot-dip galvanizing **or stainless steel** Ø 40x80
AR1012T.i	2 clamps 4.2kg	hot-dip galvanizing **or stainless steel** Ø 40x114
AR1012RI	fiberglass FLAME RETARDANT RADOME	

ORDERING AND PACKAGING INFORMATIONS		
Packaging	mm.	1000x410x410 Kg 7.5





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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