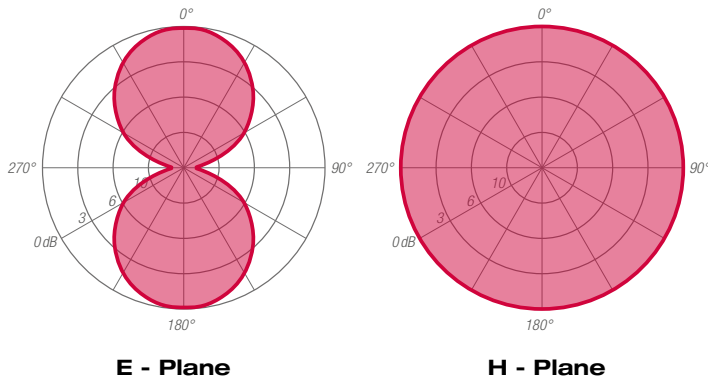




ANTENNA FEATURES

- Tuned coaxial dipole antenna 1.0 dBd gain.
- Vertical polarization.
- Bandwidth 2 MHz.
- Omnidirectional radiation pattern.
- Fiberglass radome.
- Plug & play installation.

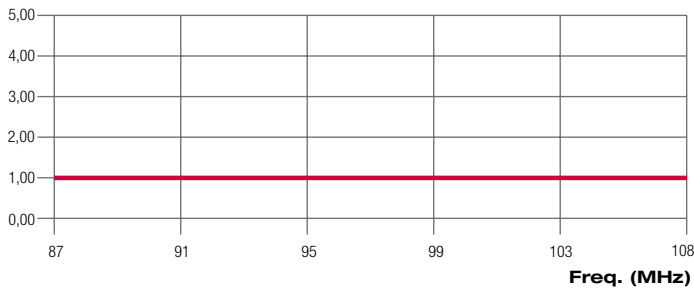
RADIATION PATTERNS (Mid Band)



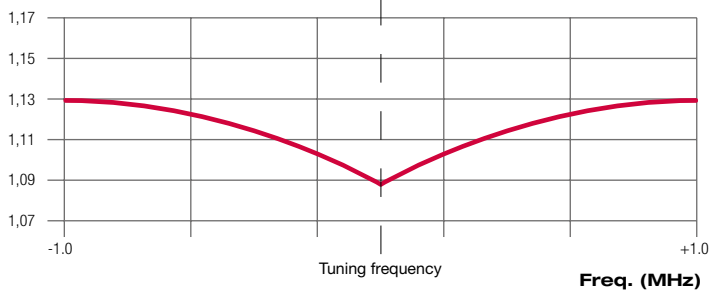
ELECTRICAL DATA

WORKING BAND:	87.5 - 108 MHz
BANDWIDTH:	2 MHz - factory tuned
GAIN:	1.0 dBd (3.2 dBi)
VSWR:	≤ 1.13:1 (-24 dB)
POLARIZATION:	Vertical
IMPEDANCE:	50 Ohm unbalanced
HALF POWER BEAMWIDTH:	E-Plane - 90° H-Plane - 360°
LIGHTNING PROTECTION:	All metal parts DC grounded including inner conductors
AVAILABLE VERSION AND CODE:	ADC0202215 - DIN 7/16" female - max. 3000W rms

GAIN (dB)



VSWR



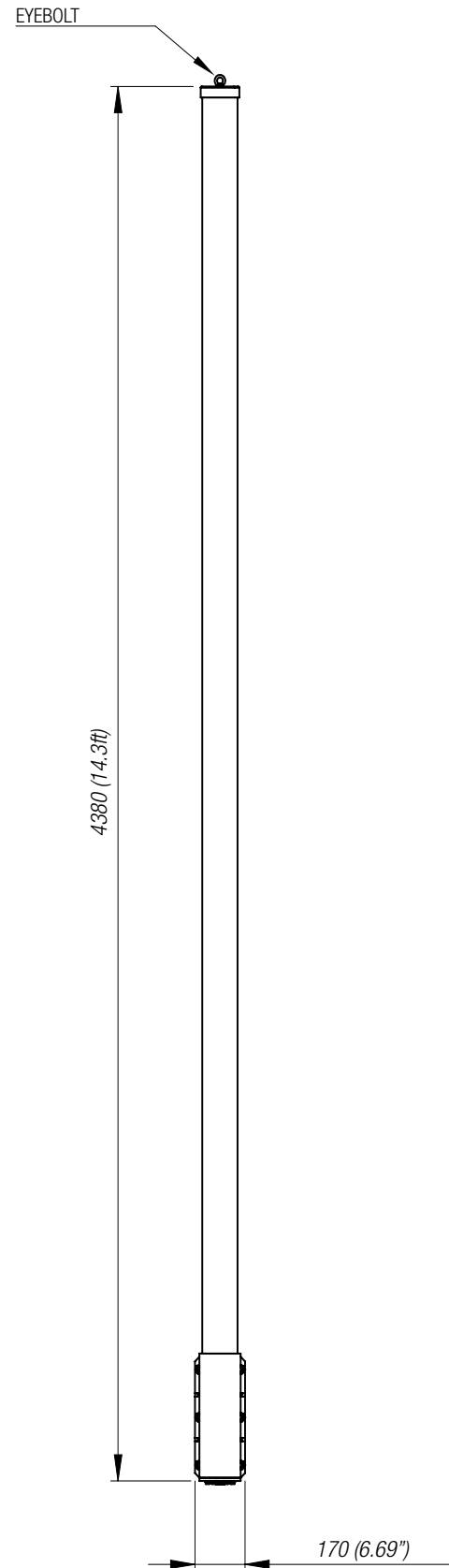
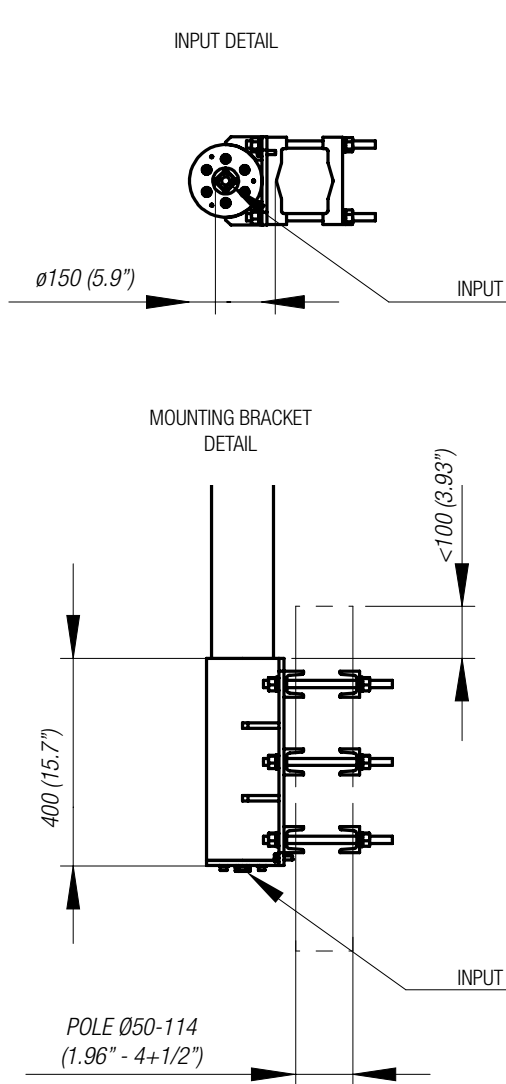
MECHANICAL DATA

MATERIALS:	Aluminium
MOUNTING:	Directly on supporting structure
MOUNTING BRACKETS:	Included for Ø50±114mm pipe (Ø1.96" - 4.48")
FINISH PROTECTION:	Whole antenna fully covered by fiberglass radome Standard grey color
TREATMENTS:	Hot dip galvanized steel bracket and bolts
ANTENNA DIMENSIONS:	Max. 4380x170x150 mm (172.4x6.69x5.9 in)
WEIGHT:	43.7 kg (96.3 lb)
WIND SURFACE:	0.55 m ² (5.92 ft ²) front - 0.55m ² (5.92 ft ²) side
WIND LOAD (160 km/h and 30°C)	0.58 kN front - 0.58 kN side
SURVIVAL WIND:	180 km/h (111.85 mph)
PACKING DIMENSIONS:	4740x350x410 mm - 64 kg (186.61x13.7x16.1 in - 141.1 lb)

Specification are subject to change without notice

ANTENNA DIMENSIONAL DETAILS

ANTENNA DIMENSIONAL DETAILS - SIDE



OPTIONS & SERVICES

<i>PATTERN DESIGN</i>	Custom azimuth and elevation (beam tilt and null fill) patterns can be designed to meet specific protection/coverage requirements
<i>PATTERN CERTIFICATION</i>	Proof-of-performance factory test and pattern measurements on ALDENA test plan area
<i>MOUNTING HARDWARE</i>	Turn-key antenna delivering Tower top/side spine Special hardware/brackets
<i>TRANSMISSION LINE</i>	Transmission line system design and layout
<i>COMBINERS/FILTERS</i>	Combiners/Filters to suit requirements can be supplied
<i>CALCULATION SERVICES</i>	Coverage/interference simulations EM Near Field control and reduction (Environmental impact studies)
<i>ON-SITE SERVICES</i>	Site Survey and Inspection Installation/commissioning and supervising Drive test & EM Field strength measurements After sales maintenance
<i>TRAINING</i>	Technical training certification and consultancy

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