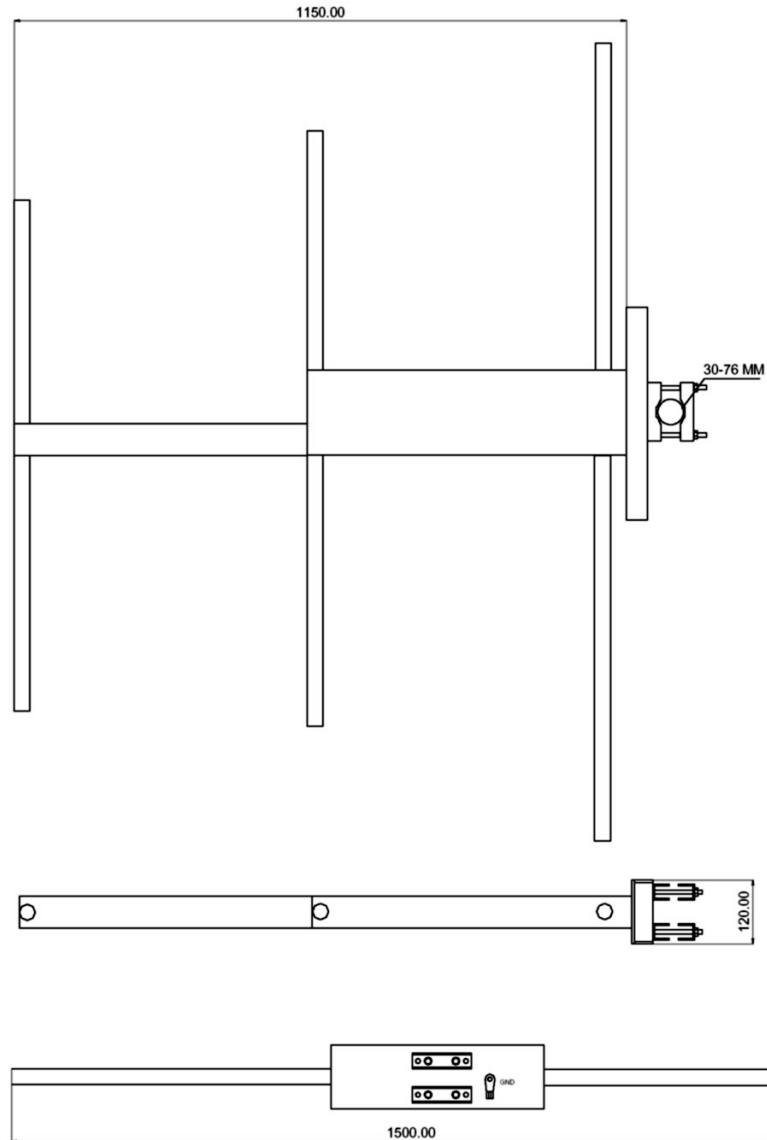


ILS Localizer Monitor Antenna ATC ML100



The antenna operating in the monitoring systems of ILS devices. The antenna is made of heavy duty aluminum. All aluminium elements are welded. The antenna is painted with powder varnish, which protects the conductor from an influence of climatic conditions. All metal parts are DC-grounded.

ELECTRICAL

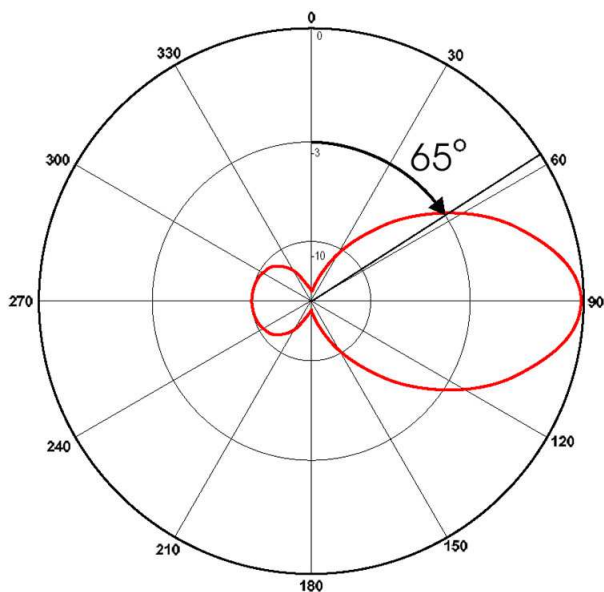
Gain (ref. to $\lambda/2$ dipole)	4.5 dB
Front/back ratio	10 dB
Radiation pattern	directional
Impedance	50 Ω
Antenna type	Yagi
VSWR	$\leq 1,5$
Maximum power	60 W
Bandwidth	10 MHz
Frequency range	108-118 MHz
Horizontal radiation pattern code (E-plane)	032EB30 (CEPT Recommendation T/R 25-08)
Vertical radiation pattern code (H-plane)	060EB25 (CEPT Recommendation T/R 25-08)

MECHANICAL

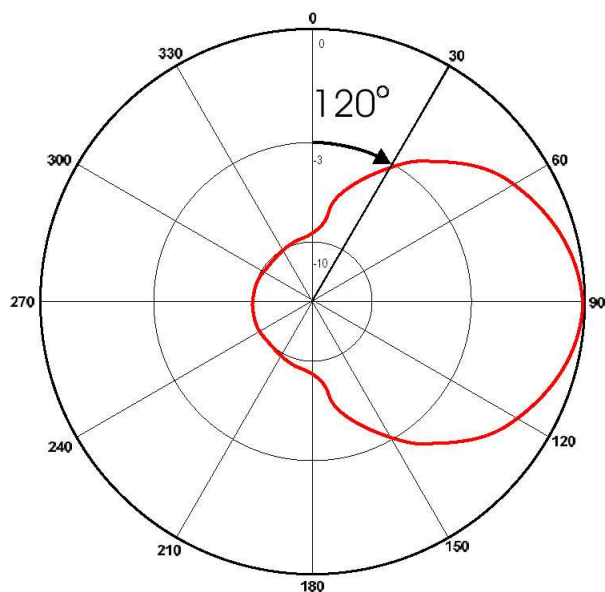
Connector	N
Material, colour	Aluminium, powder varnish, white
Polarization	horizontal
Diameter of mounting mast	30-76mm
Weight	10.5 kg
Lightning protection	All metal parts are DC-grounded
Height/width/depth	1150 / 1500 / 120 mm
Warranty period	3 years
Packaging	Carton box
Wind speed	60 m/s

CLIMATIC CONDITIONS

Temperature range	-55°C ÷ +60°C
Humidity	$\leq 100\%$ at +40°C



Horizontal radiation pattern



Vertical radiation pattern



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