

165-174 MHz

REPEATER ANTENNA

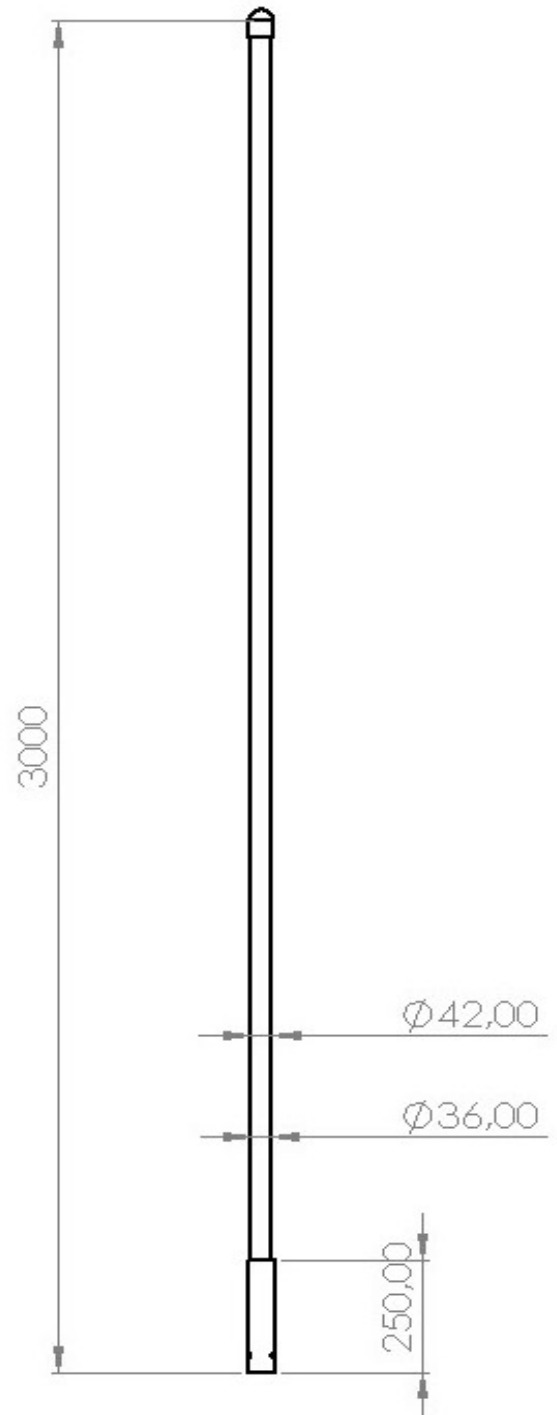
This product is a 3.0 m long collinear monopole antenna operating in the VHF frequency band of 165-174 MHz with a minimum gain of 2 dBd (4.1 dBi). Using a female N-type connector, it is developed for use on fixed sites such as base stations, rooftops, ships, and masts as a repeater antenna. Low VSWR and proper material and topology selection in the design of the antenna result in a maximum power handling capability of 500 W. Free mounting at the highest possible location is most preferable for this antenna; otherwise, the VSWR and the radiation pattern will be affected. Avoid mounting the antenna parallel to and in the proximity of other metal parts (2 meter separation is recommended). For lightning protection, the antenna has a grounded radiator, which ensures DC short across the input port. A glass fiber tube completely encloses the radiating element and the matching circuitry to provide protection against environment.



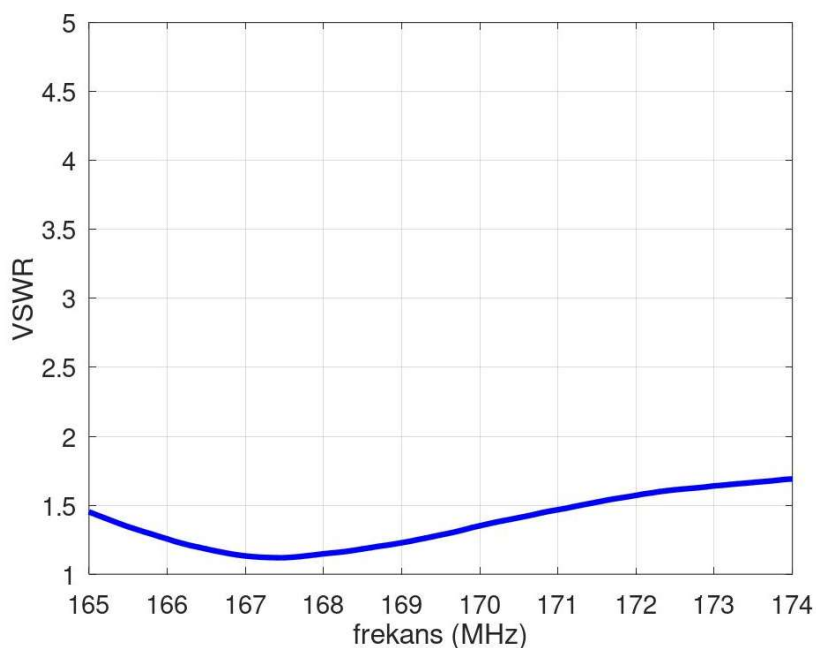
➤ Technical Specifications

Frequency	165-174 MHz
Impedance	50 Ohm
VSWR	< 1.8:1
Gain	> 2 dBd (4.15 dBi)
Polarization	Linear
Radiation Pattern	Omni
Maximum Power Handling	500 W CW
Connector Type	N-Type (F)
Weight	2.9 Kg
Height	3.0 m
Operating Temperature	-41 ... +71°C
Storage Temperature	-55 ... +85°C

➤ Dimensions



➤ Typical VSWR vs Frequency



All dimensions are in mm.