



### Product Overview

MEC offers family of the FRP (Fiberglass Reinforced Plastic) omnidirectional antenna which is designed to radiate signals in all horizontal directions equally, making it ideal for applications where coverage is needed in all directions, such as in wireless communications, mobile networks, and broadcasting: Key features, Durability, Lightweight, Wide Frequency Range, Design Versatility.

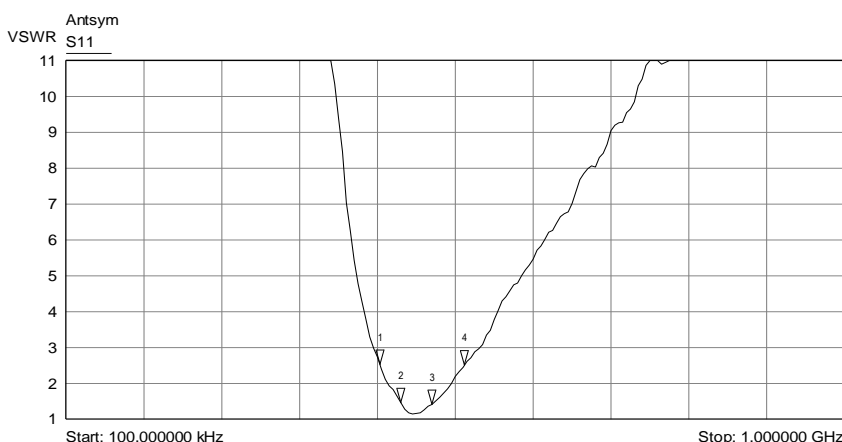
### ➤ Performance Data

Parameter	Value
Frequency (MHz)	403-512MHz
Band (MHz)	109MHz
VSWR	≤2.5
Impedance (Ω)	50Ω
Bandwidth (°)	H: 360° V:45°
Polarization	Vertical
Max. Power (W)	50W
Connector	N (Male/Female)

### ➤ Technical Data:

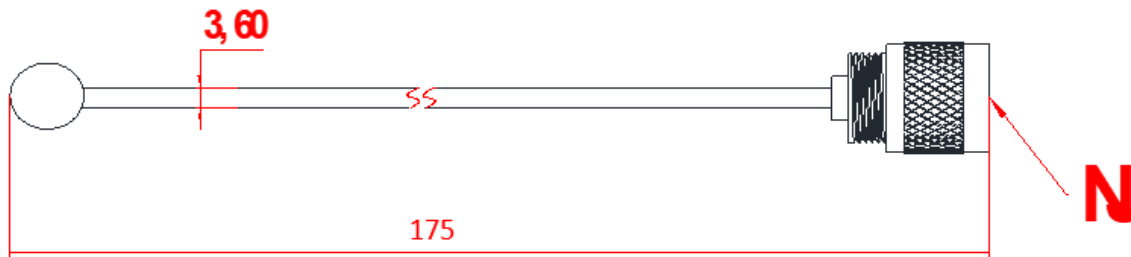
Parameter	Value
Material	Copper
Temperature (°C)	-55°C~ + 75°C
Windage	60 (m/s)
Max Mounting Diameter (mm)	Φ 52mm
Size	Φ 20*175mm

### ➤ Measured VSWR



- 1 S11  
▽ 403.000000 MHz  
2.5420 VSWR
- 2 S11  
▽ 430.000000 MHz  
1.4678 VSWR
- 3 S11  
▽ 470.000000 MHz  
1.4107 VSWR
- 4 S11  
▽ 512.000000 MHz  
2.5189 VSWR

➤ *Dimension*



*NOTE: All dimensions are in mm*