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Ultra High Performance  
Omni Fiberglass  
868MHz Antenna

4dBi

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[bbmicrowave.com](http://bbmicrowave.com)



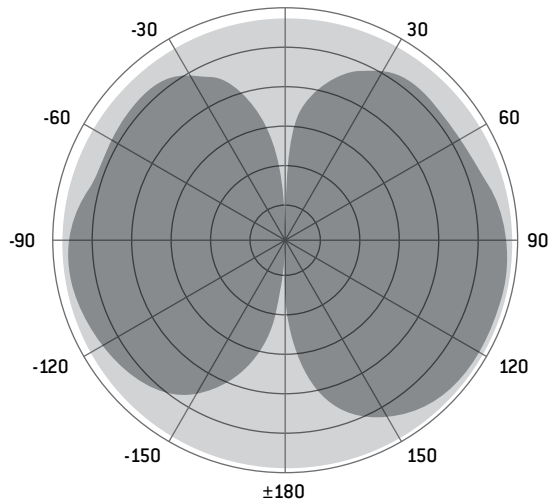
# Omni Fiberglass Antenna 4dBi 868MHz Tech Specs

Electrical Specifications		Product Picture
RF Antenna Type	<b>Omnidirectional Antenna</b>	
Model	<b>BBM-ANT-ONM-868-4DBI-25</b>	
Frequency	<b>868 MHz</b>	
Gain	<b>4 dBi</b>	
VSWR	<b>1.1 - 1.3</b>	
Impedance	<b>50 Ω</b>	
Polarization	<b>Vertical</b>	
Horizontal Beam-width(0°)	<b>360°</b>	
Vertical Beamwidth(0°)	<b>55±5°</b>	
Connector	<b>N Male</b>	
Max Power	<b>50 W</b>	
Radiation Pattern	<b>Omnidirectional</b>	
Lightning Protection	<b>DC Ground</b>	
Mechanical Specifications		Mounting
Dimensions	<b>25x400 mm</b>	  
Packaging Size	<b>435 mm (L) x 50 mm (D)</b>	
Packaging Type	<b>individually packed in carton tube box with protective foam inside</b>	
Gross Weight*	<b>0.626 kg</b>	
Operational Humidity	<b>&lt;65%</b>	
Rated Wind Speed	<b>200 km/h</b>	
Radome Material	<b>Fiberglass</b>	
Storage Temperature Range	<b>-40°C +75°C</b>	
Working Temperature Range	<b>-40°C +65°C</b>	
Color	<b>White</b>	
Antenna Form	<b>Single Band</b>	
Mounting	<b>Screw</b>	
RoHS	<b>Compliant</b>	<b>Mounting Kit included:</b> <b>2 x mounting plates,</b> <b>2 x U-brackets,</b> <b>and all screws and nuts</b>
Applications	<b>SCADA/Utilities, IoT/M2M/LoRa/ISM</b>	

\* Gross Weight includes the weight of the antenna and the mounting kit.



# Omni Fiberglass Antenna 4dBi 868MHz Antenna Radiation Pattern Test Data



# Omni Fiberglass Antenna 4dBi 868MHz Antenna S Parameter Test Data

Trc 1 **S11** SWR 100 mU Ref 1 U Cal

