

UWB Disccone Antenna



SOLUTION FOR

- High power ultra-wide band application

Main features

Technical performance

- Radiates power uniformly in horizontal plane
- Directive pattern shape in vertical plane
- High power handling up to 400 W

Design

- Easy to install on a vehicle
- Resists harsh environmental conditions

Delivered documents

- Conformity certificate (measured VSWR)
- Instructions manual

Related standard

- MIL STD 810

Product configuration

Equipment

- Wood storage case

Related services

- Maintenance and customization

■ Included □ Optional

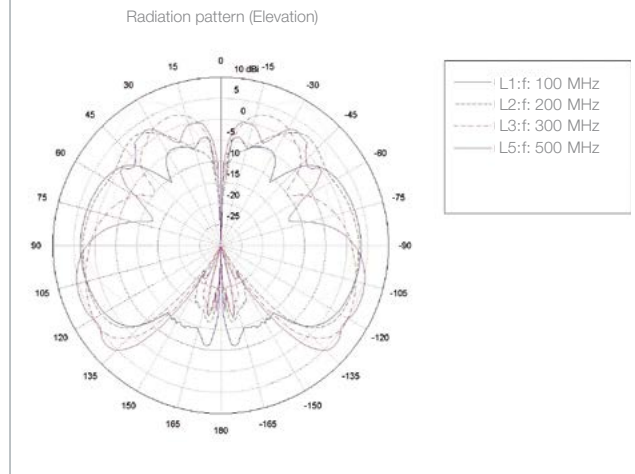
Electrical characteristics

Part number	UWB010-A	
Type of antenna	Discone antenna	
Frequency range	100 – 500 MHz	
Gain from -15° to +5°	100 – 250 MHz ≥ 1 dBi	250 – 500 MHz ≥ -1 dBi
Gain from 0°	> 0 dBi	
VSWR	2.5:1	
CW power	400 W	
Impedance	50 Ohms	
Polarization	Linear vertical	
Radiation pattern	360° (Ripple ± 2 dB)	

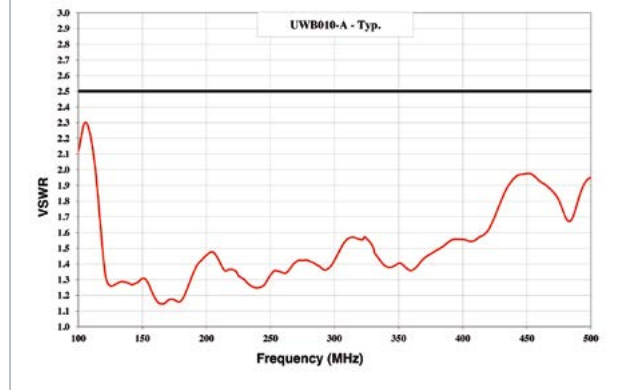
Mechanical characteristics

Part number	UWB010-A	
Dimensions		
Height (A)	700 mm	
Base diameter (B)	750 mm	
Weight	4 Kg	
Connector	N Female	
Ingress protection	IP 67	
Operating temperature	-20° C - +75° C	

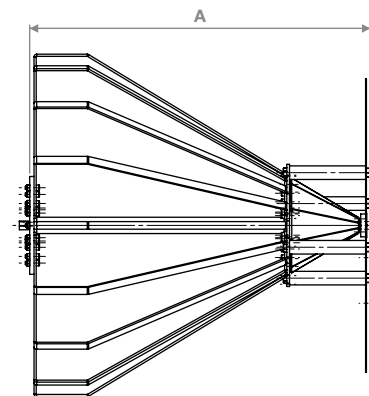
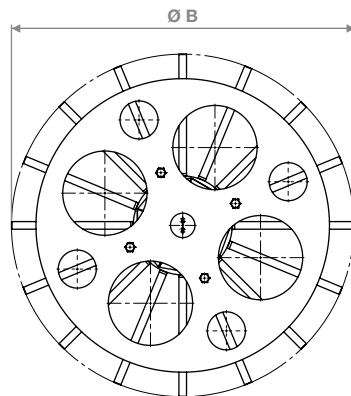
Typical radiation pattern



Typical VSWR



Mechanical drawing



Contact your local sales representative for more information
www.mvg-world.com/antennas
salesteam@mvg-world.com