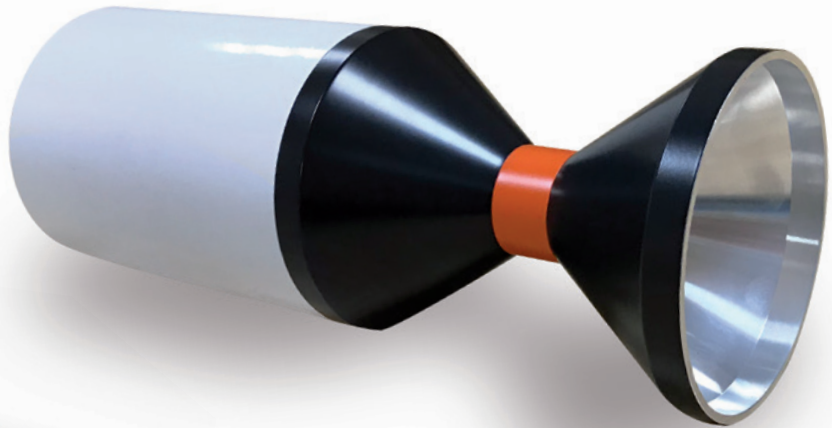
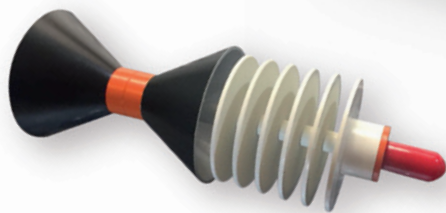
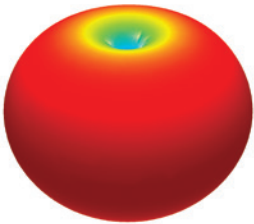


Wideband Dipoles

Typical 3D radiation pattern



SOLUTION FOR

- Wideband gain/efficiency reference
- Chamber reflectivity evaluation
- Measurement accuracy evaluation
- CTIA ripple test

Main features

Technical performance

- Wide bandwidth
- Low loss and high efficiency
- Azimuth pattern symmetry due to entirely symmetrical design

Design

- Lightweight for easy handling

Surface treatment

- Surtec 650 according to MIL-C 5541E class 3
- Polyurethane paint

Repeatability

- Stiff and robust mechanical design
- Precision machined
- High reliability connector

Delivered documents

- Typical performance data (TYMEDA™)
- Measured return loss data

Product configuration

Equipment

- Low reflectivity mounting fixture

Related services

- Calibration and maintenance
- Customization

Electrical characteristics

Part number

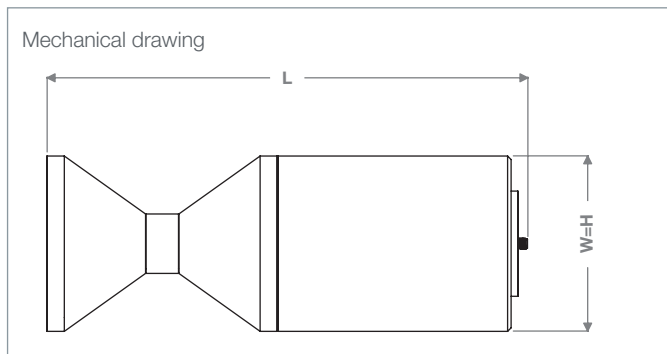
Type of antenna	Wideband dipole
Average gain	1 dBi
Gain variations over azimuth	± 0.1 dB
Efficiency	> 92%
VSWR	< 1.9
Return loss	< -10 dB
Impedance	50 Ohms

Mechanical characteristics

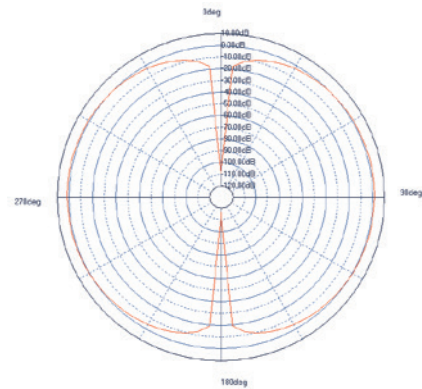
	Part number	Frequency Range [MHz]	Dimensions H = W [mm]	L [mm]	Weight (approx.)	RF Connector
Available soon	WD75	75-230	984	1824	< 15 Kg	N-type Female ⁽¹⁾
Now available	WD130	130-400	492	917	6.8 Kg	N-type Female ⁽¹⁾
Available soon	WD400	400-800	175	450	3 Kg	N-type Female ⁽¹⁾
Now available	WD700	700-1600	100	275	0.7 Kg	PC 3.5 Female ⁽²⁾
Available soon	WD1500	1500-3000	50	80	0.5 Kg	PC 3.5 Female ⁽²⁾
Now available	WD3000	3000-6000	40.6	116	0.4 Kg	PC 3.5 Female ⁽²⁾

(1) SPINNER ref # BN058739 and BN133670

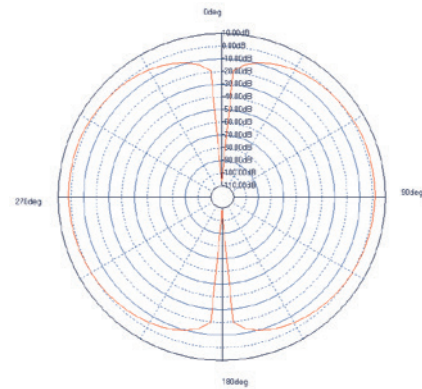
(2) Huber+Suhner type 23 PC35-50-0-51/199UE



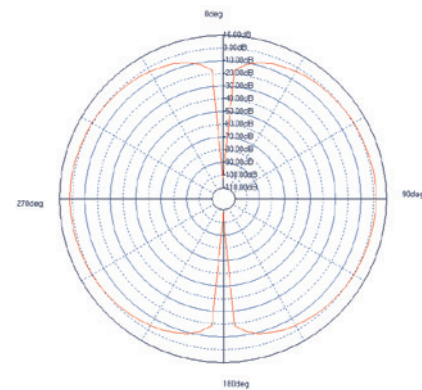
Radiation pattern @ 140 MHz



Radiation pattern @ 260 MHz



Radiation pattern @ 400 MHz



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