

# OMWT-DIPOLE-900-25

## OMNIDIRECTIONAL ANTENNA

**INSTRUCTION  
SHEET**

**M4112-0205**

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This is a rugged 3 dB gain omni optimized for wide bandwidth, all weather performance. The broad vertical beamwidth provides wide area coverage and no field tuning is required to obtain maximum performance.

The all-brass center fed dipole delivers a clean radiation pattern without ground radials.

### Key Features

- Encased in a heavy wall fiberglass radome for superior weather resistance
- Flexible feedline with N Female termination simplifies the final installation
- Stainless steel V-Bolts and customer V-Blocks for easy and secure mounting
- Individually factory tested

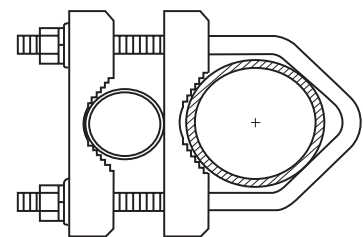
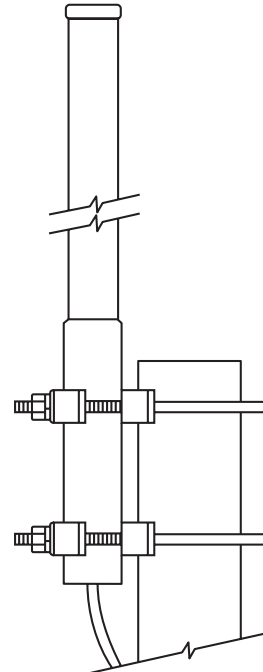
### Electrical Specifications

Frequency Range, MHz	902-928
Gain, dBd	3 dB
VSWR (50 Ohms)	1.5:1 typical
2:1 Bandwidth, MHz	26 minimum
3 d13 Beamwidth E/H Planes, Degrees	331360
Maximum Power, Watts	50*
Termination, Feet (m), Coax	N Female, 1 (.3), RG58 type
Polarization	Vertical

\*Limited by feedline. Higher power ratings are available as an option.

### Mechanical Specifications

Overall Length, Inches (cm)	30 (76)
Radome Material	1.0" OD; 0.125" wall Fiberglass
Element Material	All-brass components
Mast Diameter, Inches, (cm)	1.25-2.0 (3.2-.5.1)
Mounting Hardware	Base to mast, supplied
Wind Surface Areas, feet (m <sup>2</sup> )	0.14 (.013)
Wind Survival, mph (kph)	150 (240)
Weight, pounds (kg)	2.0 (0.9)



TOP VIEW

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Internet e-mail  
info@omega.com

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**U.S.A.:**  
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One Omega Drive, Box 4047  
Stamford, CT 06907-0047  
Tel: (203) 359-1660 FAX: (203) 359-7700  
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976 Bergar  
Laval (Quebec) H7L 5A1, Canada  
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**For immediate technical or application assistance:**

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Postbus 8034, 1180 LA Amstelveen, The Netherlands  
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e-mail: sales@omegae.nl

**Czech Republic:**

Frystatska 184, 733 01 Karviná, Czech Republic  
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**France:**

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Toll Free in France: 0800 466 342  
e-mail: sales@omega.fr

**Germany/Austria:**

Daimlerstrasse 26, D-75392 Deckenpfronn, Germany  
Tel: +49 (0)7056 9398-0 FAX: +49 (0)7056 9398-29  
Toll Free in Germany: 0800 639 7678  
e-mail: info@omega.de

**United Kingdom:**

ISO 9002 Certified  
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M44 5BD United Kingdom  
Tel: +44 (0)161 777 6611 FAX: +44 (0)161 777 6622  
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