



OM-2.4-5H

2.4 GHz OMNI-DIRECTIONAL ANTENNA

- **OM-2.4-5H** (*HORIZONTAL POLARIZATION*)

DESCRIPTION

This horizontally polarized Omni-directional antenna is used with any 2.4 GHz (ISM) access point. Vertically polarized Omni-directional antennas are also available. Mounting bracket included.

APPLICATION

- Base Station Antenna
- Multiple point networks
- WLAN
- SCADA
- WISP

SPECIFICATIONS

ELECTRICAL

MODEL	OM-2.4-5H	
FREQUENCY RANGE	2.4 - 2.5 GHz	
GAIN (dBi)	5	
IMPEDANCE (Ohms)	50	
POLARIZATION	HORIZONTAL	
CROSS POL REJECTION	20dB	
F/B RATIO	N/A	
VSWR	Min	1.2:1
	Max	2.0
	Typical	1.5:1
HPBW:	Horz.	360
	Vert.	27
STD. CONNECTOR	N Female	
MAX. INPUT POWER (watts)	10W	
OPERATING TEMPERATURE	+70C to -40C	

MECHANICAL

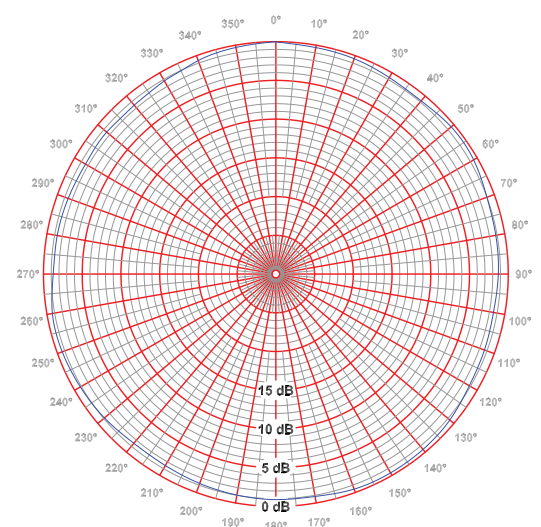
MODEL	OM-2.4-5H	
OVERALL LENGTH (IN.)	22.5 (57.2 cm)	
OVERALL DIAMETER (IN.)	3 (7.6 cm)	
ANTENNA WEIGHT	1.9 lbs (0.91 kg)	
MOUNTING OPTIONS		
MAST SIZE (O.D.)	1.625" pipe or wall	

WIND LOADING

MODEL	OM-2.4-5H	
Wind Area	No Ice (sq. ft.)	0.47
	1/2" Radial Ice (sq. ft.)	0.63
Wind Load	* No Ice (ft-lbs)	15.9
	**1/2" Radial Ice (ft-lbs)	6.1

ANTENNA PATTERN

OM-2.4-5H PATTERN E PLANE



NOTES:

* Wind Speed = 100 MPH at sea level with 100% Humidity at 70° Fahrenheit.

** Wind Speed = 50 MPH at sea level with 100% Humidity at 0° Fahrenheit.

WADE Antenna's ongoing policy of continuing development may result in specification changes to its products.

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