



3.5 GHZ OMNI-DIRECTIONAL ANTENNAS

- OM-3.5-7
- OM-3.5-9

DESCRIPTION

These Omni-directional antennas are designed for the licensed 3.5 GHz WiMax frequency band. The antennas act as a base station or cell site for a multiple point network. The mounting bracket is included to wall mount, pole mount or masting.

APPLICATION

- Wireless Internet cell site/base station
- WiMax 802.16
- Wireless LAN
- Point-to-Multipoint wireless networks

SPECIFICATIONS

Electrical

MODEL		OM-3.5-9	OM-3.5-7
FREQUENCY		3.4 - 3.65 GHz	3.3 - 3.8 GHz
GAIN		9 dBi	7.5 dBi
IMPEDANCE		50 Ohm	50 Ohm
POLARIZATION		Vertical	Vertical
CROSS POL REJECTION		20 dB	20 dB
VSWR	Min	1.1	1.1
	Max	1.5	1.5
	Typical	1.3	1.3
HPBW	Horz.	360 Deg.	360 Deg.
	Vert.	20 Deg.	37 Deg.
STD. CONNECTOR		N Female	N Female
MAX. INPUT POWER		50 Watts	50 Watts
OPERATING TEMPERATURE		-40 - -80C°	-40 - -80C°

Mechanical

MODEL		OM-3.5-9	OM-3.5-7
NUMBER OF ELEMENTS		4	3
OVERALL LENGTH		13.25"	10.75"
Mounting Options			
TYPE		Worm Clamp	Worm Clamp
MAST SIZE (O.D. in inches)		1.625 - 2.0	1.625 - 2.0
AZ. ADJUST		360C°	360C°
EI. ADJUST		0C°	0C°

Wind Loading

MODEL		OM-3.5-9	OM-3.5-7
WIND AREA	(No Ice)	0.095	0.08
	(1/2" Radial Ice)	0.27	0.25
WIND LOAD	*(No Ice)	2.54	2.14
	** (1/2" Radial Ice)	7.23	6.7

* Wind Speed = 100MPH at sea level with 100% humidity at 70 °F

** Wind Speed = 50MPH at sea level with 100% humidity at 0 °F

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

WADE Antenna Inc.

29 Sharp Road
 Brantford, Ontario, N3T 5L8 Canada
 Tel: 519.756.7157
 Fax: 519.756.5056

(800) 463-1607
 sales@wadeantenna.com

www.wadeantenna.com