



Product Features

BD-5.8-9 G2

Description

The Wade BD-5.8-9 G2 antenna is a true bi-directional antenna with a single RF input to avoid the requirement for phase matched RF cables. This antenna is optimized for mobile mesh networks operating in the 5 GHz bands. This antenna uses an aerodynamic fiberglass radome cover for added strength and durability.

Designed to Meet:

IEC 61373 / EN 50155 Shock and Vibration
IEC 60529 - IP66, IP68, IP69K
EN 50-124-1 Isolation Coordination

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE	5.850 GHz
GAIN (dBi) - HORIZON	9
GAIN (dBi) - PEAK	12.5
IMPEDANCE (Ohms)	50
POLARIZATION	Vertical
CROSS POL REJECTION	20dB
F/B RATIO	N/A
VSWR: MIN	1.05:1
MAX	2.0:1
TYPICAL	1.5:1
BORESITE H PLANE	57°
E PLANE	24°
UPTILT	4°
STD. CONNECTOR	SMA Male
MAX INPUT POWER (WATTS)	35
OPERATING TEMPERATURE	+70°C to -40°C

MECHANICAL SPECIFICATIONS

NUMBER OF ELEM. (TURNS)	2
LENGTH (in)	11.13
WIDTH (in)	6.13
HEIGHT (in)	4.25
WEIGHT (lbs)	2

MOUNTING OPTIONS

DIRECT ROOF MOUNT

WIND LOADING

WIND AREA (Sq Ft)	No Ice	0.1
	½" Radial Ice	0.15
WIND LOAD (Ft-Lbs)	*No Ice	20.1
	**½" Radial Ice	25.7

*Wind Speed = 400 MPH at sea level with 100% Humidity at 70° Fahrenheit.

**Wind Speed = 300 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.