

VHF Broadband Monocone Antenna

118-174 MHz

BMV Series



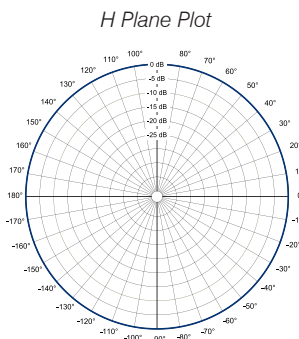
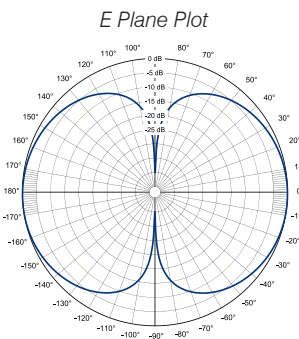
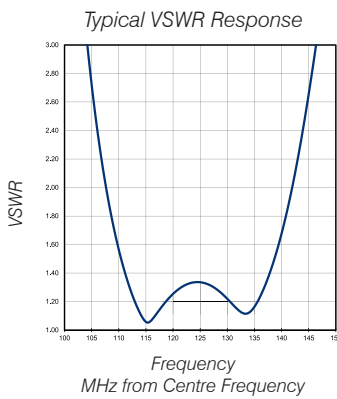
The BMV Series antenna area a range of full band, omni-directional, unity gain, antennas designed for heavy duty applications including the VHF aeronautical band of 118-137MHz, and VHF high band at 148-174MHz.

The full band monocone design lends itself to excellent pattern consistency over a wider bandwidth than conventional ground plane antennas, and a lower angle of radiation.

This model is constructed of stainless steel mount tube and radiator enclosed in an ABS radome, with full band coverage offering a “no tune” solution. The antenna is also DC grounded, offering some lightning protection and a reduction of precipitation static noise.

Features:

- VHF applications with full band coverage
- Simple installation
- Stainless steel construction; high corrosion resistance, and high survivability
- Great coverage, high level null fill



Electrical Specifications

Model Number	BMV-118137	BMV-136160	BMV-148174
Nominal Gain dBd (dBi)		2.1 (0.0)	
Frequency MHz	118 - 137	136-160	148-174
Tuned Bandwidth		Full	
VSWR (Return Loss)		1.5:1	
Nominal Impedance Ω		50	
Vertical Beamwidth ^o		90	
Horizontal Beamwidth ^o		Omni +/- 0.5dB	
Power W		250	

Mechanical Specifications

Model Number	BMV-118137	BMV-136160	BMV-148174
External Construction	ABS, polished stainless steel		
Length mm	2000		1500
Maximum Width mm	630		492
Weight kg	5.7		4.5
Termination	Bulkhead mounted N-Type (F)		
Mounting Area	1500mm x 38.1mm diameter polished stainless steel		
Suggested Clamps	2 x UC1		
Shipping Length mm	2000		1600
Shipping Width mm		250	
Shipping Height mm		250	
Shipping Weight kg	6.0		5.0
Projected Area - No Ice cm ²	1224		846
Projected Area - With Ice cm ²	2161		1568
Lateral Thrust @ 160km/h N	145		100
Wind Gust Rating km/h		240	
Torque @ 160km/h Nm	102		45