



B1323(S)

Omnidirectional Antennas 132-525MHz

FEATURES AND BENEFITS

- 5/8 wave design for true 3 dBi performance
- Easy installation with optional NMO mounts
- Special UV-treated radome; resists sun damage
- 100% tested on a network analyzer

APPLICATIONS

- Mobile
- Amateur
- P25
- Public safety

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	132 - 525
Number of Ports	1
VSWR	<2:1
Gain (dBi)	3
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° x Azimuth°)	70° x 360°
Noise Suppressor	BlackHawk NS1535 1-35 VOLT, 15 Amp Noise Suppressor (Sold Separately) 

MECHANICAL SPECIFICATIONS

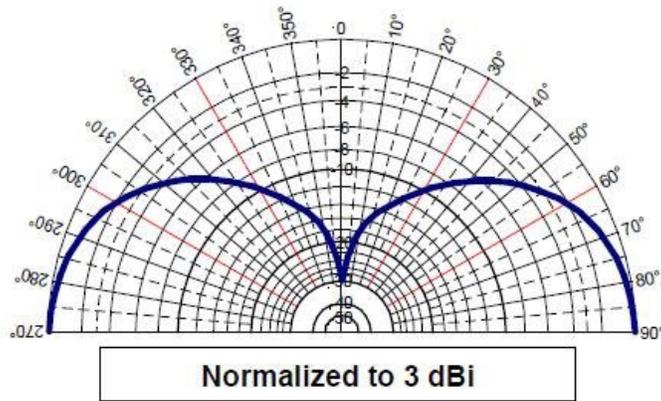
Height - cm (inches)	144.8 (57.0) (see Cutting Chart)
Diameter - cm (inches)	3.66 (1.44)
Weight - kg (lbs.)	0.23 (0.5)
Equivalent Flat Plane Area (Wind Resistance - ft ²)	0.025
Coaxial Cable Length and Type	None
Termination	NMO
Mounting	< 1000 MHz - PN: MB8, MAB8 DC to 6 GHz - PN: MB195 

B1323 CUTTING

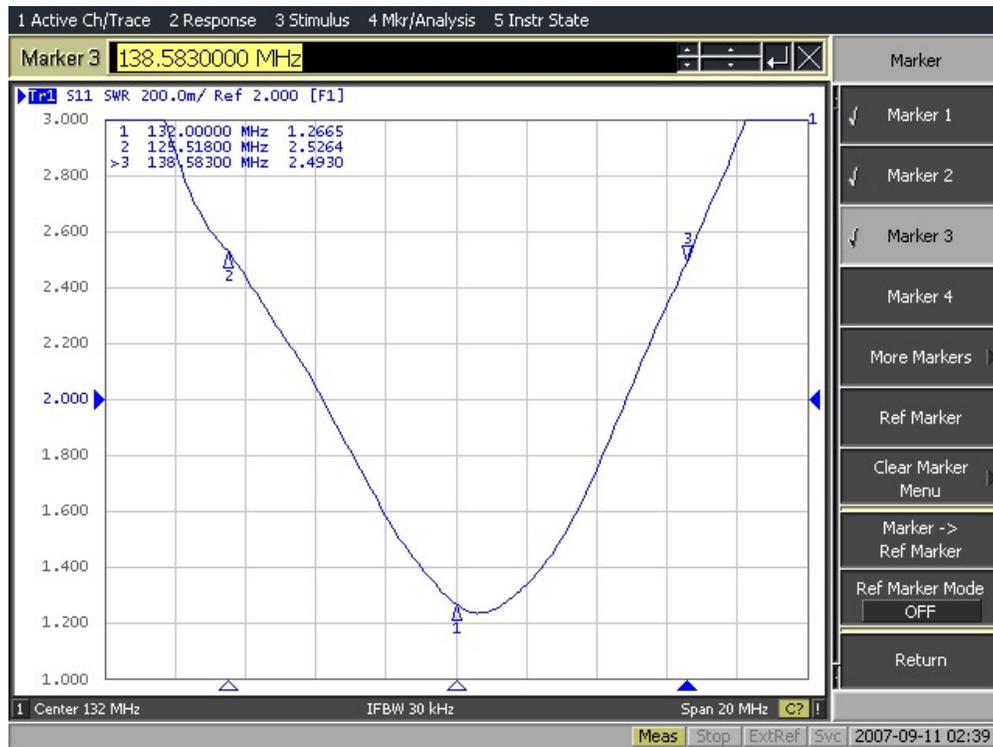
FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH
132	54-7/16"	154	43-3/4"
134	53-7/16"	156	43"
136	52-1/16"	158	42-1/4"
138	51-1/8"	160	41-5/8"
140	50-1/8"	162	41"
142	49-1/4"	164	40-3/8"
144	48"	166	39-3/8"
146	47-1/4"	168	38-3/8"
148	46-1/4"	170	37-3/8"
150	45-3/8"	172	36-5/8"
152	44-1/2"	174	35-7/8"

B1323S CUTTING

FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH
132	52-7/8"	154	41-3/8"
134	51-15/16"	156	40-3/8"
136	50-3/8"	158	39-5/8"
138	49-1/8"	160	38-3/4"
140	48-1/8"	162	37-15/16"
142	47-1/4"	164	37-1/8"
144	46"	166	36-1/4"
146	45-1/8"	168	35-7/16"
148	43-7/8"	170	34-5/8"
150	43"	172	33"
152	42-1/4"	174	33"



VSWR OF B1323(S)



B1323 Typical VSWR sweeps on a 4'x4' Ground Plane

- Marker 1:** 1.2665 to 1@ 132.000 MHz
- Marker 2:** 2.5264 to 1@ 125.518 MHz
- Marker 3:** 2.4930 to 1@ 138.583 MHz

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