



Delta1 Series
EXPOSED FOLDED VHF
DIPOLE Doubled 2-Bay Array
142-170 MHz



Electromagnetics
"Quality is everything."

JAG-156-2X2-OMD/BID

JAG-156-2X2-OMD/BID shown here in the bi-directional setting



- Ham Radio
- Telemetry
- Land mobile networks
- Public security and safety
- Transportation networks



Electrical Specifications		Mechanical Specifications		Environmental	
Model	JAG-156-2X2-OMD/BID	Model	JAG-156-2X2-OMD/BID	Model	JAG-156-2X2-OMD/BID
Frequency Range (MHz)	142 – 170	Height	inches (mm) 120 (3,048)	Survival Wind Velocity With no Ice	mph (km/h) 125 (201)
Bandwidth @ 1.5:1 VSWR or Better (MHz)	28	Width	inches (mm) 36 (914.4)	Survival Wind Velocity With Ice	mph (km/h) 95 (153)
Polarization	Vertical	Depth	inches (mm) ^{*In omni configuration} 36 (914.4)	Maximum Allowable Radial Ice Buildup	inches (mm) 0.5 (12.7)
Radiation Pattern ^{*Field adjustable}	Omnidirectional or Bidirectional	Weight	lb (kg) 56 (25.42)	Equivalent Flat Plate Area	ft ² (m ²) 4.34 (0.4)
Nominal Gain (dBd)	2.5(omni) / 5(bi)	Support Mast Outside Diameter Inches (mm)	2.875 (73)	Lateral thrust (100mph) 0 Radial Ice Buildup	lbs (N) 138 (613.8)
Nominal Horizontal 3dB Beamwidth (Deg)	80 (bi, each lobe)	Support Mast Allowable Clamping Space Inches (mm)	36 (914.4) [*]	Torsional moment (100mph) 0 Radial Ice Buildup	ft-lbs (Nm) 157 (212)
Nominal Vertical 3dB Beamwidth (Deg)	32 – 36	Mounting Information	No clamps supplied* *(See JAG clamps page for suitable clamps)	Bending moment (100mph) 0 Radial Ice Buildup	ft-lbs (Nm) 761 (1027.4)
Port-to-Port Isolation (dB)	N/A	Pigtail (ft) & RF Connector	2 – 2.5 & 'N' Male		
Maximum Average Power (Watts)	300				
Lightning Protection	DC Ground				

JAG-156-2X2-OMD/BID Product Specification Sheet.

Specifications are subject to change without notice. As a result, all information contained in the present datasheet is subject to confirmation at time of ordering.

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JAG's dedication to continuous Research & Development will result in product improvements as they evolve.