

JAGTM

Electromagnetics

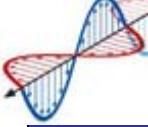
"Quality is everything."

Jagy1 Series

FOLDED DIPOLE VHF UHF

YAGI 3-Element

450-470 MHz



JAGY-460-3-HD



JAGY-850-3 shown for illustration.



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



Electrical Specifications		Mechanical Specifications		Environmental	
Model	JAGY-460-3-HD	Model	JAGY-460-3-HD	Model	JAGY-460-3-HD
Frequency Range (MHz)	450 – 470	Height	inches (mm) 12.5 (317.5)	Survival Wind Velocity With no Ice	mph (km/h) 187 (300)
Bandwidth @ 1.5:1 VSWR or Better (MHz)	70	Width	inches (mm) 15 (381)	Survival Wind Velocity With Ice	mph (km/h) 113 (182)
Polarization	Vertical or Horizontal	Depth	inches (mm) 3 (76.2)	Maximum Allowable Radial Ice Buildup	inches (mm) 0.5 (12.7)
Radiation Pattern	Directional	Weight	lb (kg) 1.85 (0.85)	Equivalent Flat Plate Area	ft ² (m ²) 0.13 (0.011)
Nominal Gain (dBd)	6 – 6.5	Yagi Support Boom Outside Diameter Inches (mm)	0.84 (21.3)	Lateral thrust (100mph) 0 Radial Ice Buildup	lbs (N) 4.6 (20.5)
Nominal Horizontal 3dB Beamwidth (Deg)	78 – 88	Yagi Support Boom Allowable Clamping Space Inches (mm)	4.75 (120.7)	Torsional moment (100mph) 0 Radial Ice Buildup	ft-lbs (Nm) 9 (12)
Nominal Vertical 3dB Beamwidth (Deg)	54 – 64	Mounting Information	JAGY#6A clamp kit supplied (See JAG clamps page for other suitable clamps)	Bending moment (100mph) 0 Radial Ice Buildup	ft-lbs (Nm) 12 (16.2)
Front to Back Ratio (dB)	10 – 12	Pigtail (ft) & RF Connector	2 – 2.5 & 'N' Female		
Maximum Power (Watts)	200				
Lightning Protection	DC Ground				

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.