



LOG2 Series
LOG
Periodic Antenna
0.050-1.1GHz



Electromagnetics
"Quality is everything."

JAGLP-107C



- Telemetry
- Broadband Communication
- Signal Surveillance
- Military



Electrical Specifications		Mechanical Specifications		Environmental	
Model	JAGLP-107C	Model	JAGLP-107C	Model	JAGLP-107C
Typical Frequency Range (GHz)	0.05 – 1.1	Length	inches (mm) 105 (2,667)	Survival Wind Velocity With no ice	mph (km/h) 140 (225.3)
Typical VSWR	2.5:1	Width	inches (mm) 4 (101.6)	Survival Wind Velocity With ice	mph (km/h) 108 (172.9)
Maximum VSWR	3.5:1	Height	inches (mm) 122 (3,099)	Maximum Allowable Radial Ice Buildup	inches (mm) 0.5 (12.7)
Polarization	Vertical or Horizontal	Weight	lb (kg) 30 (13.6)	Equivalent Flat Plate Area	ft ² (m ²) 0.92 (0.091)
Radiation Pattern	Directional	LP Support Beam Outside Diameter	inches (mm) 1.8 (38.1)	Lateral Inertia (25mph) 0 Radial Ice Buildup	ft-lbs (Nm) 32 (42.3)
Nominal Gain (dBiL)	5 – 5.5	LP Support Beam Allowable Clamping Space	inches (mm) 1.5 (38.1)	Torsional Moment (25mph) 0 Radial Ice Buildup	ft-lbs (Nm) 135 (182.6)
Nominal Horizontal 3dB Beamwidth (Deg)	118 – 122	Mounting Information**	No clamp supplied* <small>*See JAG clamps page for suitable clamps</small>	Bending Moment (25mph) 0 Radial Ice Buildup	ft-lbs (Nm) 9.3 (12.51)
Nominal Vertical 3dB Beamwidth (Deg)	68 – 72	Pigtail (ft) & RF Connector	None & 'N' female		
Front to Back Ratio (dB)	13 – 15				
Maximum Average Power (Watts)	1000				
Lightning Protection	DC Ground				

JAGLP-107C 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.

Dated: March-03-2011

Issue: 1

Made in Canada

Rev030311.0

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RF EMI Engineering Technology
 26-1750 Creek Way
 Burlington, Ontario
 L7L 7E2 Canada

Email: info@jagelectromagnetics.com
 Web: www.jagelectromagnetics.com
 Tel (905)-635-7437
 Fax (905)-332-8093



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