



sales@ara-inc.com



TELEMETRY ANTENNA SERIES PRODUCT SPOTLIGHT



ARA has developed a unique line of antennas for telemetry systems that support both air and ground platforms. With over 55 years of design and manufacturing history, ARA can offer an antenna system at a variety of frequencies that will perform in any environment. With the increasing use of Drones and UAV systems over longer distances, the need to monitor a system's telemetry is more important than ever.

ARA

28 Riverside Drive, Pembroke, MA 02359
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SEAVEY DIVISION



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FEATURES

- Rugged
- Superior Performance
- Proven Endurance
- Made in the USA

Revised July 2020

Ground Models										
Model	Frequency (GHz)	Gain	VSWR	Axial Ratio	Beamwidth	Polarization	Power Handling	Weight	Dimensions	Antenna Type
0301-800	1.4 - 2.4	22.7 dBic - 26.0 dBic	1.4:1	2.0 dB	8.4° Nominal	Dual Circular	50 W		50" x 29"	4ft Reflector
9525-825	1.5 - 2.5	1.7 GHz = 18.3 dB	1.9:1		17° Nominal	Dual Linear	50 W		24.12" x 12.46"	2ft Antenna
9525-830	1.5 - 2.5	1.7 GHz = 18.3 dBic	1.5:1	2.0 dB	17° Nominal	Dual Circular	50 W		24.12" x 14.65"	2ft Antenna
9525-850	1.5 - 2.5	1.7 GHz = 18.3 dBi	1.9:1		17° Nominal	Dual Linear	50 W		24.12" x 10.9"	2ft Antenna
9269-800	1.69 - 1.70	31.5 dBic	1.49:1	2.0 dB	4.5°	LHCP Feed RHCP System	60 Watts CW		8' diameter	8ft Reflector
9339-810	2.2 - 2.3	10 dBic	1.8:1	2.5 dB	42°	RHCP	20 W		5" x 10.125"	Helix
9385-800	2.2 - 2.3	44 dBi	1.43:1	<1 dB	25°	RHCP	500 W		57 3/8" x 20"	10m Reflector
9409-800	2.3 - 12.0	L = 31.3 dB P = 16.4 dB	L=1.36:1 P=1.44:1	1.5 dB	L = 3.65° P = 19°	RHCP	100 W	120 lbs	41" x 41" x 60"	5m Reflector
8955-800B	2.3 - 2.5	24.1 dBic	1.5:1	2.0 dB Max	8.5°	Manually Switchable, Circular	50 W		48" x 31"	4ft Reflector
C0619-800	3.2 - 7.3	30 dB	2:01		3.5°	Linear Vertical	50 W		48.41" x 34.33"	4ft Reflector
0101-800D	5.25 - 5.85	23 dB min	1.74:1		9°	Linear Vertical	+20 W	3 lbs	12.97" x 12.97"	Panel
9859-800	5.4 - 5.9	17 dB	1.8:1		E Plane= 86° H Plane = 5.4°	Linear Vertical	20 W		21.5" x 5.0" x .37"	Panel

The data described herein is subject to licensing under the International Traffic Arms Regulations (ITAR) 22 CFR Parts 120-130. This data sheet has been released into the public domain in accordance with these regulations.

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Air Models										
Model	Frequency (GHz)	Gain	VSWR	Axial Ratio	Beamwidth	Polarization	Power Handling	Weight	Dimensions	Antenna Type
9632-800	4.0 - 4.2	14.0 dBi	1.5:1	4 dB	30° Nominal	Vertical	20 W	6 oz	9.25" x 6.00"	Panel
9645-800	4.4 - 5.85	15.5 dBic	1.7:1	2.dB	45° Elevation 10° Azimuth	RHCP	50 W			Quad Helix
9731-800	4.75 - 5.475	25 dBi	2.0:1		9°	Vertical	20 W CW		20" x 12 5/16"	20" Reflector
9766-820	5.25 - 5.85	12 dBi	1.49:1		45° Elevation 30° Azimuth	Vertical	50 W		5.53" x 3.97"	Horn
9778-800	5.25 - 5.85	18.2 dB	1.67:1		30° Elevation 10° Azimuth	Vertical	50 W			Panel
9767-800	7.25 - 7.75	6.3 dBic	1.5:1	4 dB	75°, Omni	LHCP	50 W	3 oz	3 1/16" x 1/4"	Patch
0307-800	7.3 - 8.4	7 dBic	1.43:1	4 dB	30° Nominal	RHCP	20 W		1.7" x 0.34"	Patch
9345-800	11.7 - 14.5	35dBi Mid-band	1.6:1		2.4° Nominal	Linear Adjustable	500 W CW		7.86" x 24.13	2 ft Reflector
9516-800	11.7 - 14.5	42.8 dBi	1.64:1		1.4° Nominal	Linear/Circular- Adjustable	250 W	20 lbs	48" x 27 1/4"	4 ft Reflector
9506-800	14.0 - 14.5		1.5:1		1.6° Nominal	Linear Adjustable	250 W		40 1/4" x 16 13/16"	40" Reflector
0043-820	14.5 - 15.35	3 dBi	2.5:1		24° Omni	Vertical	50 W		1.38"	Blade

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