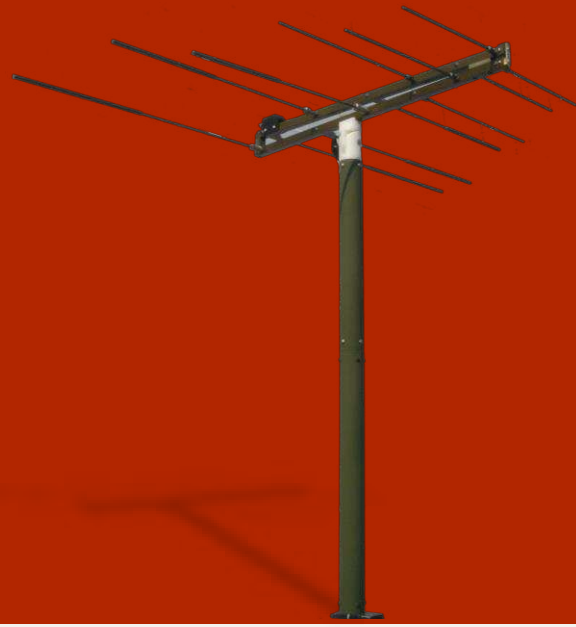




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LPD TACTICAL ANTENNA SERIES



ARA's Log-Periodic Tactical antenna series covers a variety of frequency ranges to support many communication and electronic warfare applications. These antennas have been developed through working with military groups and government offices to offer superior solutions. The **LPD Tactical Series** antennas have high efficiency design, reliable RF performance, and innovative storage/collapsing capabilities. These antennas are meant to be used repeatedly in harsh environments and have an anodized finish for durability.

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.

ARA


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Revised October 2020

FEATURES

- Rugged Design with Anodized Finish
- Extremely Durable
- High Power
- Elements that collapse and fold.
- Black, OD Green, Tan, and Clear finishes available.
- Made in the USA 

Configurations and Specifications

	LPD-3100/C2756	LPD-140-106	LPD-1010-110	LPD-1011-107	LPD-1225/108*	LPD-410-105	LPD-830-105
Gain	6 dBi	6 dBi	6 dBi	6 dBi	7 dBi	7 dBi	5 dBi Typical
Frequency	30 to 1000 MHz	100 to 400 MHz	100 to 1000 MHz	100 to 1100 MHz	120 to 2500 MHz	400 to 1000 MHz	690 to 3000 MHz
VSWR	2.0:1 Typical	2.0:1 Nominal	1.8:1 Nominal	2.0:1 Nominal	2.0:1 Nominal	2.0:1 Nominal	2.0:1 Nominal
Beamwidth (Nominal)	75° E-Plane 120° H-Plane	75° E-Plane 120° H-Plane	75° E-Plane 100° H-Plane	75° E-Plane 120° H-Plane	75° E-Plane 100° H-Plane	75° E-Plane 100° H-Plane	75° E-Plane 120° H-Plane
Power Handling	300 W CW	100 W CW	450 W CW	100 W CW	400 W CW	100 W CW	100 W CW
Antenna Connectors	Type N Female	Type N Female	Type N Female	Type N Female	Type N Female	Type N Female	TNC Female
Storage	Two Ballistic Nylon bags.	Square fiberglass tube that doubles as a mount.	Black Nylon Stow Roll.	Round fiberglass tube that doubles as a mount. Elements are spring loaded and fold up into boom sections.	Round fiberglass tube that doubles as a mount. Elements are spring loaded and fold up into boom sections.	3" round fiberglass tube that doubles as a mount.	Detachable Pistol Grip or ¼-20 thread.
Extended Dimensions	17ft x 16.5 ft	35" x 59"	61.6" x 60.3"	63" x 61"	64" x 50"	20" x 19"	13.8" x 11.3" x 1.1" with Pistol Grip
Collapsed Dimensions	2 bags; 12" Diameter x 96"	4" x 4" x 24"	6" Diameter x 24"	5.5" Diameter x 36"	6" Diameter x 35"	3" Diameter x 22"	9.5" x 9.5" x 0.85" without Pistol Grip
Weight	85 lbs (39 kg)	8.4 lbs (3.8 kg) with Mast & Storage Tube, 5.8 lbs (2.6 kg) Antenna Only	4.5 lbs (Antenna), 1.2 lbs (Mast), 0.9 lbs (Stow Roll)	16.4 lbs (7.5 kg) with Storage Tube, 10.7 lbs (4.9kg) Antenna Only	17.8 lbs (8.1 kg) with Storage Tube, 11.0 lbs (5.0 kg) Antenna Only	4.1 lbs (1.9 kg) with Storage Tube, 2.1 lbs (1.0 kg) Antenna Only	1 lb (0.45 kg)
Anodized Finish**	OD Green	OD Green = Standard, Black Available	Black	Tan	OD Green	OD Green	Black / ABS

*LPD-1225-108-1 configuration is supplied with additional Delrin at top to secure antenna for long term installations.

**All aluminum parts are gold iridite.

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