



SIGNAL ANTENNA SYSTEMS

MODEL: SA LP100SD-1

Product Data Sheet

SA LP100SD-1 Log-Periodic Dipole Array Antenna: Designed for seamless connectivity across VHF and UHF frequencies (100 - 1,000 MHz) while maintaining consistent gain and radiation patterns. This innovative antenna redefines performance standards. Suitable for commercial, industrial, or military applications, this antenna ensures robust signal reception and transmission. Designed to meet the demands of modern communication systems, our antennas offer unparalleled performance, versatility, and reliability.

FEATURES:

VHF and UHF Bands

100 - 1,000 MHz

Consistent Performance

Excellent Power Handling

Easy Installation

Durability

PERFORMANCE CHARACTERISTICS

RF and Electrical

Frequency Range	100 –1,000 MHz
Gain	+7.0 dBi
3-dB Beamwidth (E-Plane)	65° nom
3-dB Beamwidth (H-Plane)	100° nom
Polarization	Linear
VSWR	2.5:1
Power Handling	500 Watts CW

MECHANICAL

Dimensions	50 in. boom length 44 in. longest element
Weight	15 lbs
Mounting	To mast at balance point via U-Bolts
Shipping Dimensions	Crate: 6' X 1' x 1'

INTERFACE

N-Type Female	
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ENVIRONMENTAL

Operating Temperature	-55° to 75°
Altitude	10,000 ft
Humidity	100% Non-Cond.
Wind Survival	100 mph, no ice

SAS LPDA's are meticulously crafted to provide unmatched reliability and performance, driving connectivity forward in an ever-evolving digital landscape. Further customization is available based on your specific requirements.