



# **SIGNAL ANTENNA SYSTEMS**

## **MODEL: SA LP30SD-11**

*Product Data Sheet*

SA LP30SD-11 Log-Periodic Dipole Array Antenna: Designed for seamless connectivity across VHF frequencies (30 - 100 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 Band (30 - 100 MHz)

Consistent Performance

Excellent Power Handling

Easy Installation

Durability

### **PERFORMANCE CHARACTERISTICS**

#### ***RF and Electrical***

Frequency Range	30 –100 MHz
Gain	+7.5 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	10 ft. boom length 14 ft. longest element
Weight	25 lbs
Mounting	To mast at balance point via U-Bolts
Shipping Dimensions	Crate: 7' 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.