



SIGNAL ANTENNA SYSTEMS

MODEL: SA LP5080SD-01

Product Data Sheet

SA LP5080SD-01 Log-Periodic Dipole Array Antenna: Designed for broadband coverage from 50–800 MHz with stable directional performance across VHF and lower UHF frequencies. Suitable for EMC testing, spectrum monitoring, communications, SIGINT, EW and other commercial, industrial, and military applications requiring reliable wideband performance.

FEATURES:

- ❖ VHF and UHF Bands
- ❖ 50 - 8000 MHz
- ❖ Wideband
- ❖ Compact Size
- ❖ Easy Installation
- ❖ Durability

PERFORMANCE CHARACTERISTICS

RF and Electrical	
Frequency Range	50 – 800 MHz
Gain	+6 dBi nom. +3 dBi @ 60 MHz 0 dBi @ 50 MHz
3-dB Beamwidth (E-Plane)	65° nom
3-dB Beamwidth (H-Plane)	100° nom
Polarization	Linear
VSWR	2.5:1 typ. (60–800 MHz) 3.5:1 max
Power Handling	100 Watts CW
MECHANICAL	
Dimensions	43 x 43 x 4 in.
Weight	10 lbs
Mounting	To mast at balance point via U-Bolts or At rear to mast
Interface	N-Type Female
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.