

# SRFS TELEINFRA



Tactical LPDA Model no.:SRFS- LPDA-A0139

## Product Description

The LPDA-A0139 is a directional log-periodic dipole array that covers the frequency band 100 to 500 MHz at 200 W of feed power with a typical gain of 7 dBi. Off-centre mounted on a mast (not supplied) with the integrated mast mounting bracket. Polarization is adjustable between vertical and horizontal via the mounting bracket. The antenna boom can be folded, and the elements removed for compact and lightweight storage and transportation in a carry bag which is supplied with the antenna.

## Product Feature

- Low VSWR and high gain over the frequency band
- High feed power handling of 200 W
- Vertical and horizontal polarization
- Easy to assemble and disassemble
- Lightweight, yet rugged construction



Electrical Specifications	
Frequency range	100 – 500 MHz
VSWR	< 2.0 :1
Nominal input impedance	50 Ω
Feed power handling	200 W CW
Connectors	N-type (f)
Gain on horizon	> 7 dBi typical (see graph)
E-plane 3 dB beamwidth	45° typical
H-Plane 3 dB beamwidth	90° typical
Polarization	Linear, adjustable vertical and horizontal
MTBF	50,000 hrs
Mechanical Specifications	
Deployed dimensions (l x w)	1779 mm x 1500 mm including bracket
Stowed length	< 1000
Material	Aluminium, stainless steel
Mounting	Off – centre with a mast mounting
Environmental Specifications	
Operating Temperature	- 30 °C to + 65 °C
Storage Temperature	- 40 °C to + 85 °C
Humidity	MIL-STD-810F, Method 507.3,
Procedure III	(cycle with extreme at 95% RH, + 60 °C)
Sand and Dust	MIL-STD-810F, Method 510.4, Procedure I
Random Vibration (packaged)	Blowing Rain MIL-STD-810F, Method 506.4,
Procedure I	(rainfall rate 150mm/h, wind speed 30m/s)



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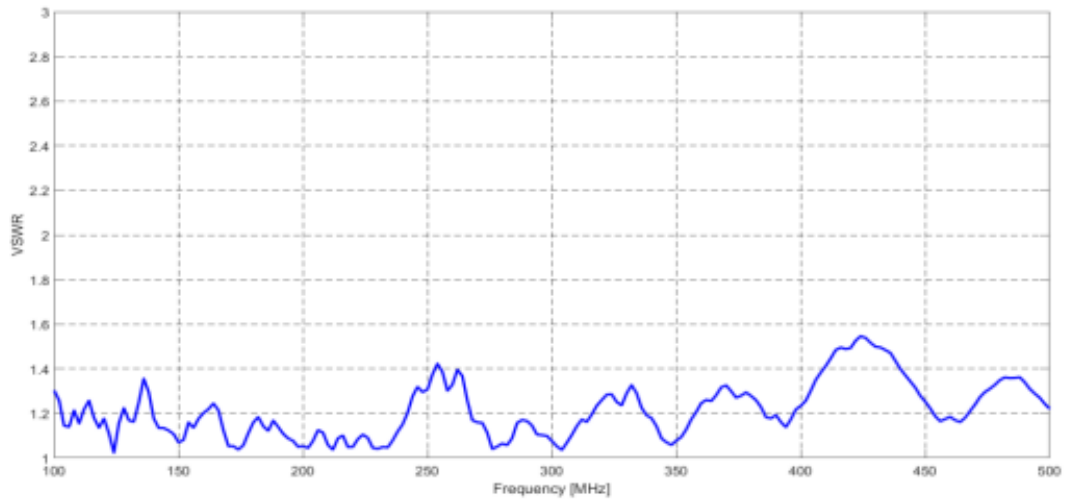
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### VSWR AND GAIN GRAPHS:

#### Typical VSWR:



#### Typical Gain:

