LP80, LP100

Directional Antennas

- 80MHz–3GHz
- 100MHz–3GHz

Applications:

- EMC Radiated Emissions
- EMC Radiated Immunity
- Signal monitoring and detection

Features

Model LP80 & LP100 are directional antennas designed for transmitting and receiving RF signals from 80 or 100MHz to 3GHz. The broadband characteristics of the log-periodic structure enable it to operate with a nearly constant gain and radiation pattern over the entire frequency range.

Innovative design and manufacturing techniques result in long-lasting strength and performance. The antenna boom is made from a custom aluminum extrusion that reduces the number of mechanical RF junctions. Dipole elements are attached to the boom by a technique that maintains excellent electrical characteristics for the life of the antenna. A tough powdercoat finish with UV inhibitors seals the aluminum structure and protects it from sunlight and moisture.

The LP80 & LP100 have a rear tube that allows polarization adjustments without changing antenna height. This also minimizes the effect of the RF cable by keeping it well behind the antenna elements. The SNAP! mount provides a secure interface to antenna positioning towers. It locks the antenna in place and prevents unwanted rotation during polarization changes.

Specifications

FREQUENCY RANGE: 80/100MHz – 3GHz

GAIN: 6 dBi typical

IMPEDANCE: 50 ohms nominal

VSWR: < 2:1

CONNECTOR: Type N female

POLARIZATION: Linear

INPUT POWER: See curve below

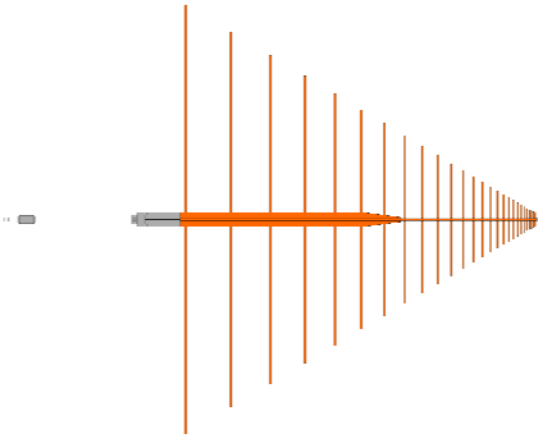
LP80 SIZE (L x W): 94 x 75 in, 238 x 191 cm

LP100 SIZE (L x W): 82 x 60 in, 208 x 152 cm

WEIGHT: LP 80: 21 lbs, 10 kg; LP100: 15 lbs, 7 kg

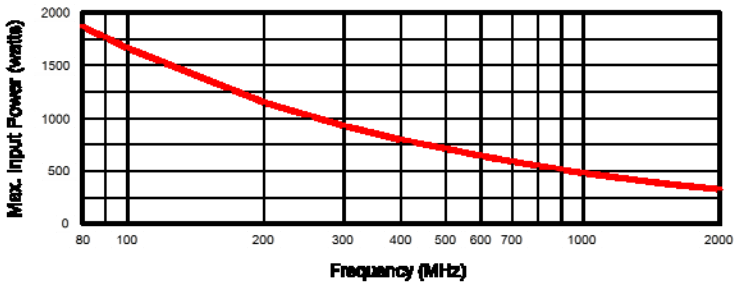
MOUNTING TUBE: 22 mm stainless steel

FINISH: Powder-coat



Model LP80

OPTIONS:
Individual calibration
SNAP! mount
Tripod
Center Mount (reduces overall length)



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