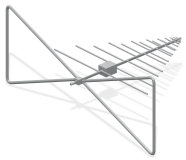
30 MHz–2 GHz Log-Periodic Dipole Array Antenna

LCLPDA-30-2000-5 covers 30–2000 MHz with a log-periodic dipole array and linear polarization. Antenna gain is specified as at least 5 dBi. The source states typical VSWR ≤2.0, preserving a typical threshold rather than a guaranteed maximum. Maximum input power is 50 W, without specified duty conditions.



The RF connection is N female at 50 Ω. The stated L × W × H envelope is ≤1000 × 1490 × 620 mm and weight ≤3.6 kg. The original outline supports mechanical planning; beamwidth, radiation pattern and environmental ratings are not supplied.

An intended EMC measurement setup still requires its own applicable calibration and qualification.

Electrical specifications

Parameter	Value	Unit
Frequency range	30–2000	MHz
VSWR [1]	≤2.0	-
Antenna gain	≥5	dBi
Polarization	Linear	-
Maximum input power [2]	50	W

[1] The source states typical VSWR ≤2.0; this is not a guaranteed maximum. Typical: 2.

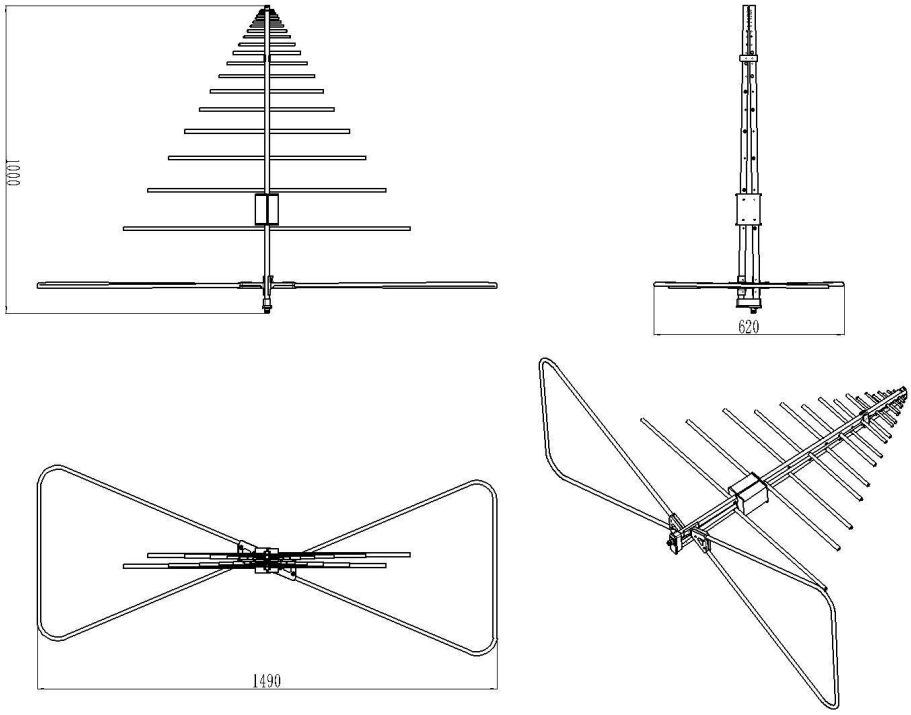
[2] Maximum input power is stated; CW/pulsed duty and completed power qualification are unspecified. Maximum: 50 W.

Interfaces and contacts

Interface	Specification	Unit
RF connector	N female	-
Impedance	50	Ω

Mechanical specifications

Parameter	Value	Unit
Dimensions (L × W × H)	≤1000 × 1490 × 620	mm
Weight	≤3.6	kg



Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.