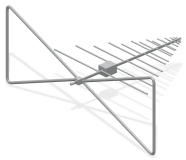
30 MHz–3 GHz Log-Periodic Dipole Array Antenna

The model row and electrical frequency table establish 30–3000 MHz coverage for LCLPDA-30-3000-5. The antenna uses a linearly polarized log-periodic dipole array with gain ≥5 dBi. VSWR is stated as typical ≤2.0, preserving the source qualifier. The 50 W maximum input value does not establish a continuous or pulsed operating duty.



The N female RF interface is 50 Ω. Maximum stated envelope is ≤1000 × 1490 × 620 mm in L × W × H order, with weight ≤3.6 kg. The native outline is an engineering reference shared with the 2 GHz source. Beamwidth, front-to-back ratio, environmental ratings and completed EMC qualification are unspecified.

Electrical specifications

Parameter	Value	Unit
Frequency range	30–3000	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.

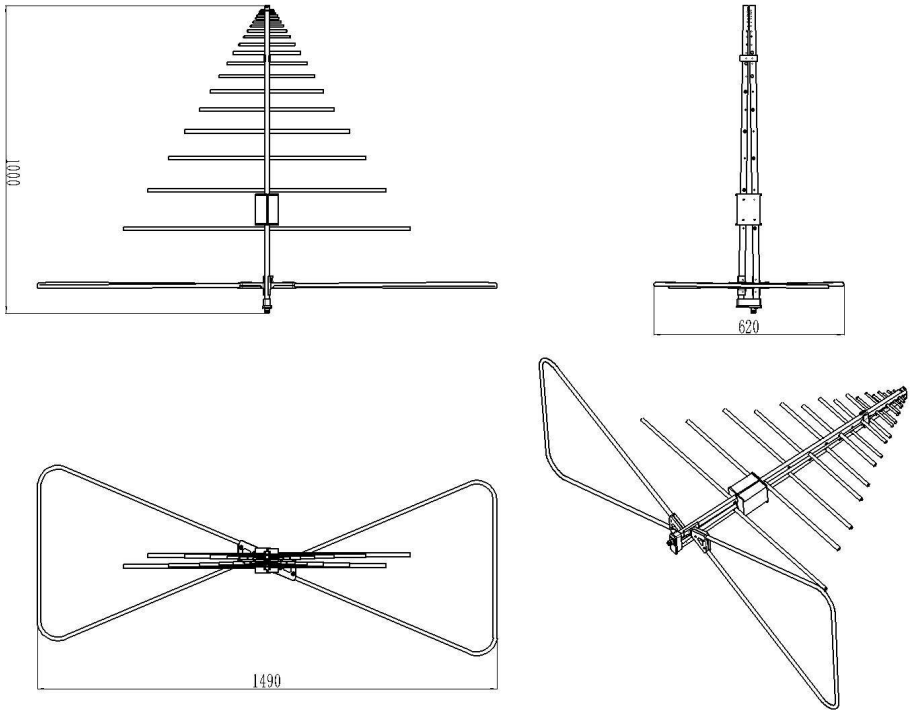
[2] Maximum input power is stated; CW/pulsed duty and completed power qualification are unspecified. Maximum: 50 W.

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.