

LG14171D Logarithmic Periodic Directional Antenna

Model: LV-6996/1727-85/70-9/10-QK/80-20/150-1.8/1.5-D



Features and Product Description

- Wideband, support 2G/3G/4G
- High gain
- High reliability
- RoHS compliant

Electrical Specifications

Frequency range (MHz)	698 - 960	1710 - 2700
Polarization	Vertical	
VSWR	≤ 1.8 (698 - 800 MHz) ≤ 1.5 (800 - 960 MHz)	< 1.5
Gain (dBi)	Approx.9.0	Approx.10.0
Horizontal half-power beam width (°)	85 ± 15 (698 - 800 MHz) 80 ± 15 (800 - 960 MHz)	70 ± 15
Vertical half-power beam width(°)	55	50
Front to back ratio (dB)	≥ 15	≥ 15
PIM, 3rd Order (dBc)	≤ -150 (2*43dBm)	
Average power, maximum (W)	50	
Impedance (Ω)	50	
Grounding	DC Ground	

Mechanical Specifications

Dimensions (H x W x D) (mm)	510 x 210 x 70
Packing dimensions (H x W x D) (mm)	565 x 285 x 80
Net weight (with installation kit) (kg)	≤ 1.2
Packing weight (kg)	≤ 1.5
Radome material	UV ABS
Application scene	Indoor / Outdoor
Operating temperature (°C)	-30 to +45
Connector	N - Female

Installation Steps

1. Combine the installation piece, Serrated Bracket, M6 U clip by using 2 pcs of M6 bolts, flat washer, and spring washer. Bolts are not fully tightened.
2. Install the above combination on the antenna with 2 pcs of screws in M6 x 20, spring washer and flat washer.
3. The whole combination coming from above two steps would be installed on the correct position of the $\Phi 35$ to $\Phi 50$ pole and tighten the M8 bolts.(See the following picture)

