

# LG14171C Logarithmic Periodic Directional Antenna

Model: LV-6996/1727-85/70-9/10-NK/80-2/14-1.8/1.5-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	$\leq 1.8$ (698 - 800 MHz) $\leq 1.5$ (800 - 960 MHz)	$< 1.5$
Gain (dBi)	Approx.9.0	Approx.10.0
Horizontal half-power beam width (°)	$85 \pm 15$ (698 - 800 MHz) $80 \pm 15$ (800 - 960 MHz)	$70 \pm 15$
Vertical half-power beam width(°)	55	50
Front to back ratio (dB)	$\geq 15$	$\geq 15$
PIM, 3rd Order (dBc)	$\leq -140$ (2*33dBm)	
Average power, maximum (W)	50	
Impedance ( $\Omega$ )	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)	$\leq 1.2$
Packing weight (kg)	$\leq 1.5$
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)

