

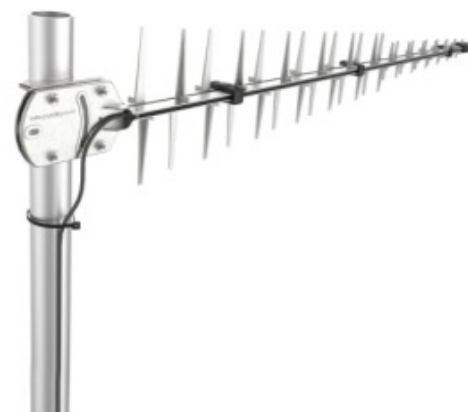
WIDEBAND LOG PERIODIC DIPOLE ARRAY ANTENNA

698-960, 1710-2700 & 3400-3800 MHz

LPDA7038 Series



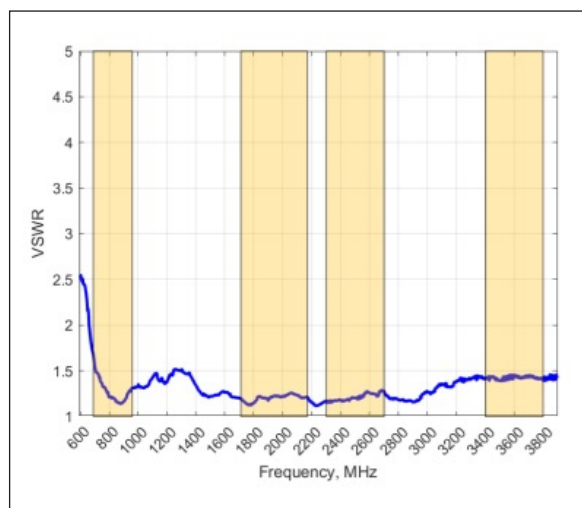
This high-gain, wideband, directional antenna covers all international cellular, mobile, and wireless data bands including GSM 900/GSM1800/UMTS/LTE & 5G bands. Its configuration is suitable for various wireless communications systems. This antenna is unique in its combination of ultra-wideband operation with a consistent high-gain performance. It has been successfully used in extreme weather environments. A firm favourite, in any area where operators are having signal challenges. It is ideal for any application using the GSM network (LTE/HSPA/3G/EDGE/GPRS).



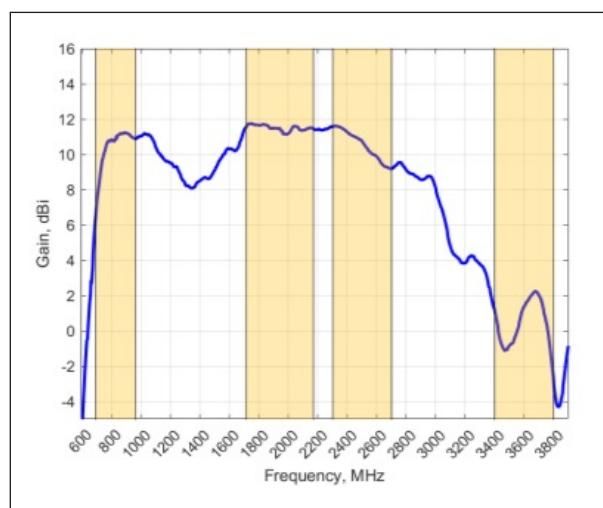
Key Features:

- Futureproof wideband LTE and Wi-Fi antenna covering 690 – 3800 MHz
- Compatible with 2G, 3G and 4G technologies
- 5G Ready; includes 3.4 GHz to 3.8 GHz CBRS Band
- Improves mobile network subscriber's user experience
- Weather and vandal resistant
- Can be used in extreme weather environment

Typical VSWR:



Typical Gain:



Electrical Specifications

Model Number	LPDA7038-11-10SMA	LPDA7038-11-0.5NF	LPDA7038-11-PIM
Frequency MHz	698-960 / 1710-2700 / 3400-3800		
Nominal Gain dBi	10.8 / 11 / 2.3		
VSWR	<1.5:1 across 95% of the bands		
Impedance Ω	50		
Power W	10		
Vertical Beamwidth	50° (±5°C)		
Horizontal Beamwidth	55° (±5°C)		
Front to Back Ratio	20 dB (±3dB)		

Mechanical Specifications

Model Number	LPDA7038-11-10SMA	LPDA7038-11-0.5NF	LPDA7038-11-PIM
Dimensions mm	1112 x 200 x 47		
Weight kg	1.65		
Mounting	Stainless Steel bracket to suit up to Ø 60mm (included)		
Cable & Connector	10m HDF 195 terminated with SMA male connector	0.5m HDF 195 terminated with N female connector	0.6m RG142 terminated with N female connector
Wind Survival km/h	≤160		
Temperature °C	-40 to +70		
Ingress Rating	IP65		
Salt Spray	MIL-STD 810F/ASTM B117		
Impact Resistance	IK08		
Standards	CE & RoHS		

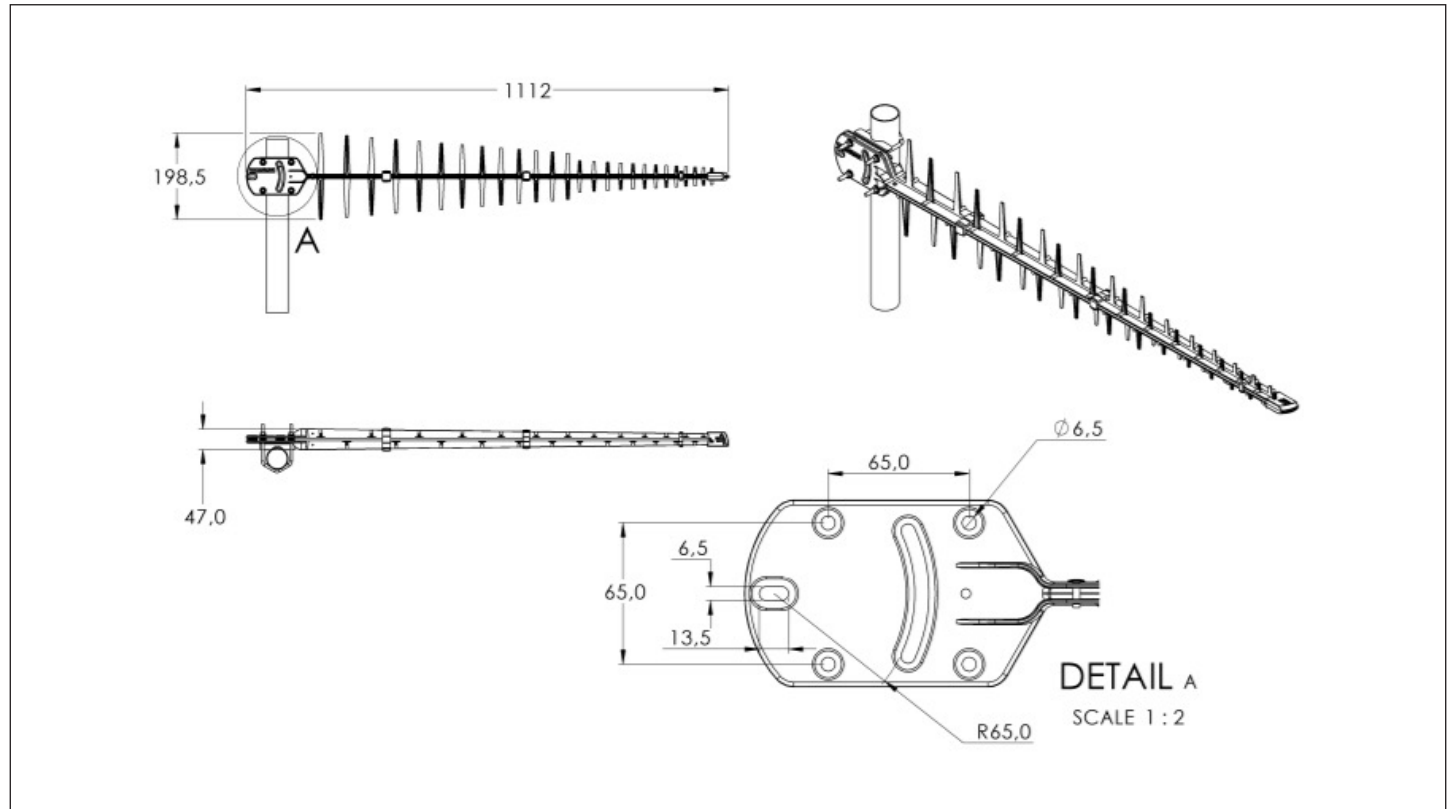
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Mechanical Drawing



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Radiation Patterns

