



## LOG PERIODIC ANTENNA

### 25MHz to 7GHz

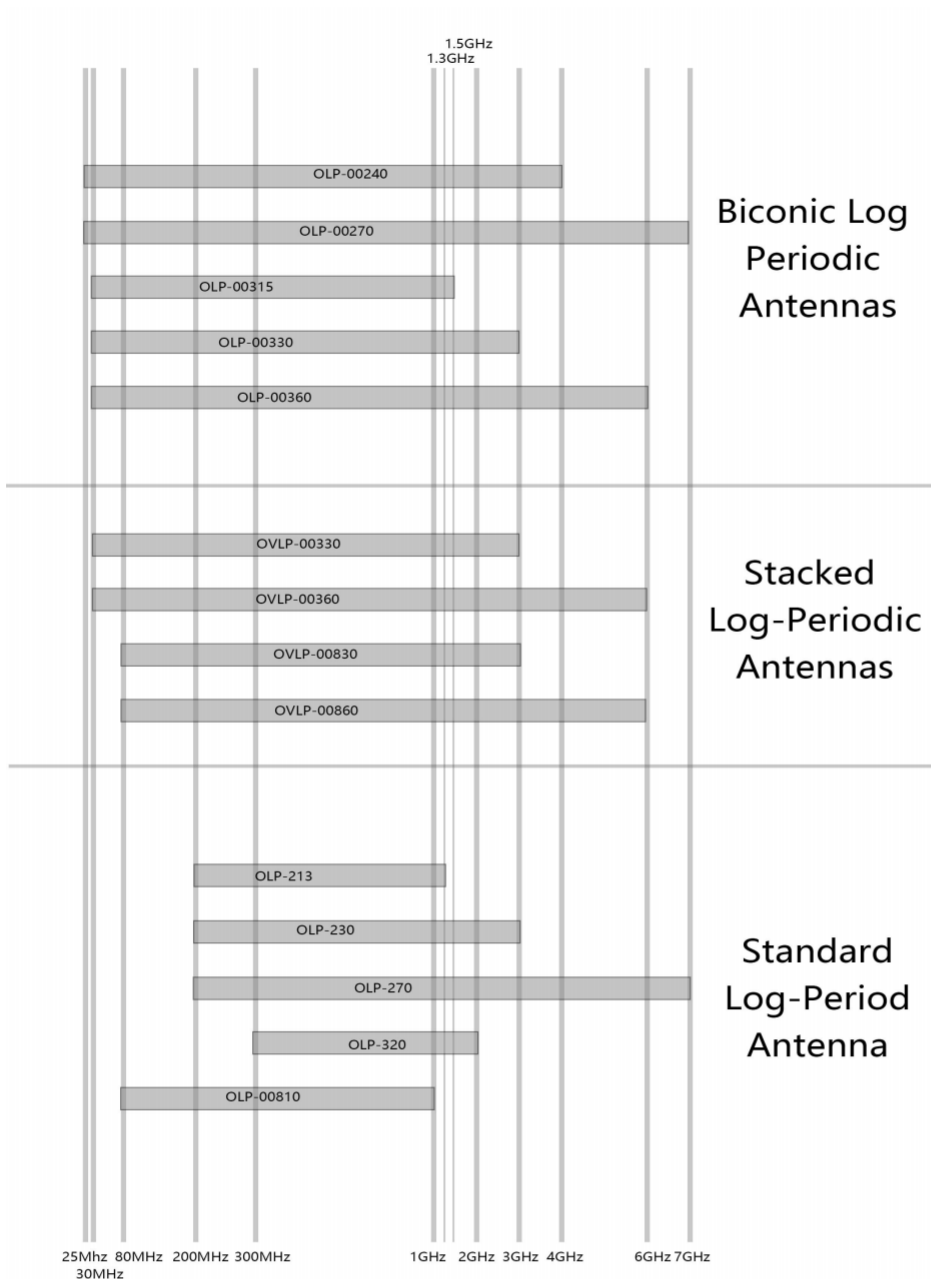
Our log periodic antennas cover a wide range of Frequency from 25MHz to 7GHz with high power handling capabilities

Our antennas are high performance and versatile, suitable for different applications

Its high gain allows it to easily achieve higher field strengths, ensuring superior signal transmission and reception capabilities

Ensures that the transmitted power is effectively utilized, thereby maximizing overall system performance

A log-periodic antenna is a widely used type of antenna in the field of wireless communications and RF applications. It is renowned for its wideband characteristics and uniform radiation pattern. The structure of a log-periodic antenna consists of a series of paired metal elements arranged in a logarithmic periodic manner, where the lengths and spacings of these elements increase or decrease according to the logarithmic periodicity law. This design allows the log-periodic antenna to exhibit similar characteristics across multiple frequency ranges, enabling it to have a wide bandwidth and cover multiple frequency bands. They are based on the different lengths and spacings of the elements within each frequency range, allowing the antenna to match the radiation requirements at different frequencies. Its design takes into account adaptive and self-compensating features, enabling the antenna to maintain stable radiation characteristics as the frequency varies.



Our Log periodic antennas are divided into three different types; Standard, Stacked and Biconic Log periodic antenna. Each have different design and specific applications.

## Biconic Log Periodic Antenna

SKU	Frequency (GHz)	Gain (dBi)	Maximum Power(W)	Connector
OPL-00240	0.025-4	-28 - 7	200	N-Type
OPL-00270	0.025-7	-27 - 7	200	N-Type
OPL-00315	0.03-1.5	8.5 Typ.	200	N-Type
OPL-00330	0.03-3	8.5 Typ.	200	N-Type
OPL-00360	0.03-6	8.5 Typ.	200	N-Type

## Stacked Log Periodic Antenna

SKU	Frequency (GHz)	Gain (dBi)	Maximum Power(W)	Connector
OVLP-00360	0.03-6	8.5 Typ.	1000	N-Type
OVLP-00330	0.03-3	8.5 Typ.	1000	N-Type
OVLP-00830	0.08-3	8-10	1000	N-Type,DIN
OVLP-00860	0.08-6	8-10	1000	N-Type,DIN

## Standard Log Periodic Antenna

SKU	Frequency (GHz)	Gain (dBi)	Maximum Power(W)	Connector
OLP-213	0.2-1.3	6-8	1500	N-Type
OLP-230	0.2-3	6.7	200	N-Type
OLP-270	0.2-7	6.7	200	N-Type
OLP-320	0.3-2	6	1500	N-Type
OLP-00810	0.08-1	7.5	3000	N-Type,DIN