

- High performance
- Low VSWR

- Rectangular or Circular Waveguide
- Compact size

## Applications

- Antenna test system
- Radiometry
- Radars



## Description

Elva's SLHA series of standard gain lens horn antennas cover the frequency range of 18 to 220 GHz in ten waveguide bands. They can be issued with rectangular or circular waveguide. Lens technology significantly allows decreasing mechanical sizes of horns and correcting beam for the best performance. These horns are ideal solution for measurement gain of other antennas, short range radars and radiometers.

## Specifications

Part No.	Frequency GHz	Waveguide	Flange	Gain, dB	Return loss, dB	D, mm	L, mm
SLHA-K	18-26,5	WR-42	UG-595/U	>25	20	118	165
SLHA-Ka	26,5-40	WR-28	UG-599/U	>25	20	80	115
SLHA-Q	33-50	WR-22	UG-383/M	>25	20	66	95
SLHA-U	40-60	WR-19	UG-383/U-M	>25	20	53	76
SLHA-V	50-75	WR-15	UG-383/U-M	>25	20	42	59
SLHA-E	60-90	WR-12	UG-387/U	>25	20	35	50
SLHA-W	75-110	WR-10	UG-387/U-M	>25	20	28	40
SLHA-F	90-140	WR-08	UG-387/U-M	>25	20	22	32
SLHA-D	110-170	WR-06	UG-387/U-M	>25	20	19	27
SLHA-G	140-220	WR-05	UG-387/U-M	>25	20	17	23

Note: The models up to 400GHz are available upon request.

## Outline Drawing.

