

## Features

- High radiation efficiency (20% smaller aperture than equivalent parabolic antenna)
- Superior sidelobe and cross-polar performance
- Rectangular or Circular waveguide port
- Transmit/receive linear or circular polarisation
- Weatherproofing on Series 820/880
- Low wind loading
- Inherently robust
- 30-350mm diameter
- Models from 4 GHz to 140 GHz



*Model 26810 QA UG387/U*

Flann's range of Lens Horn Antennas have many significant microwave and mechanical advantages over parabolic or printed antennas.

Standard and custom flange designs are available.

Series	Construction	Typical VSWR
810	Standard, plain lens	1.5
820	Standard, plain lens, weatherproof membrane	1.6
880	Grooved lens (optional weatherproof membrane)	1.2 (1.3)

## Related Products

Series 286: V and E-band Waveguide Diplexers

## Custom Design

Examples are for popular sizes but custom designs are possible for specific applications.  
Please contact the Sales Team for more information [sales@flann.com](mailto:sales@flann.com)

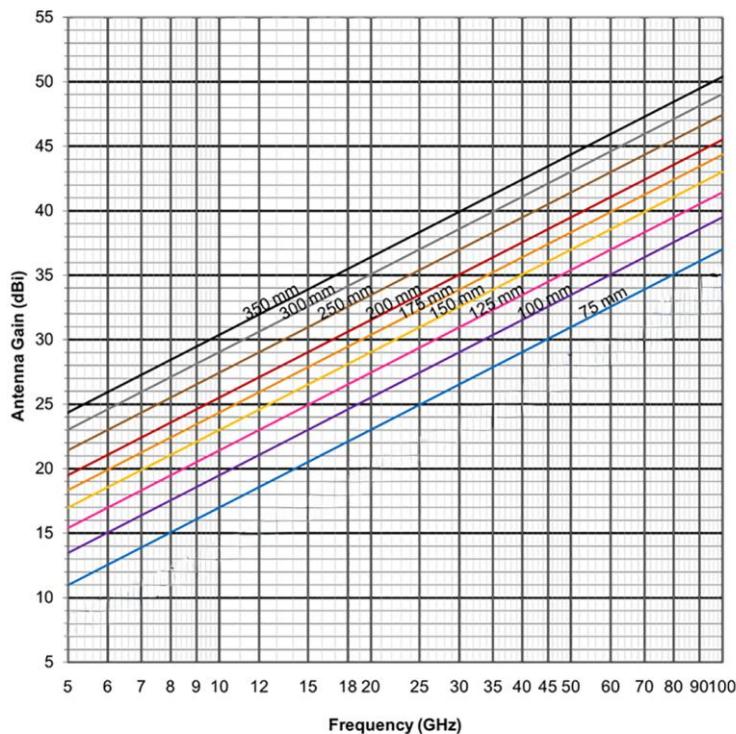
### Ordering Information

Model	Series	-	Lens Diameter*	Variant
WG26	810 820 880		Assigned by Flann	Internal Use Only

Example: 26850-PA UG-387/U. A WG26, Series 850, 250mm Lens Horn Antenna with UG-387-U

\*Letter assigned by Flann at time of quotation/order

### Lens Horn Gain



Approximate Gain is given by:

$$\text{Gain} \approx \frac{8 D^2}{\lambda^2}$$

D is antenna diameter

$\lambda$  is the free space wavelength

### Options

- Full waveguide band performance possible for series 810 and 820
- Narrow band models available
- Gloss white standard paint finish (other colours on request)
- Pole or box mounting