Enplas Corporation

Booth No. D-3

2-30-1, Namiki, Kawaguchi City, Saitama 332-0034 Japan

+44-7967-195474

sales@enplas.com

https://en.enplas.com/

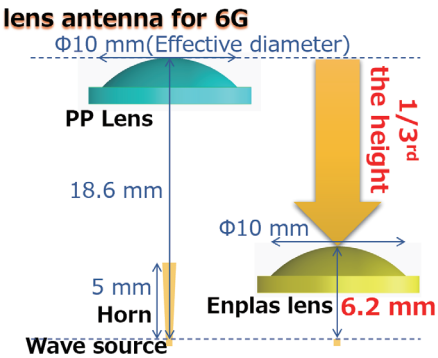
http://bit.ly/enplas-com_compact-lens-antenna

01 Company Introduction

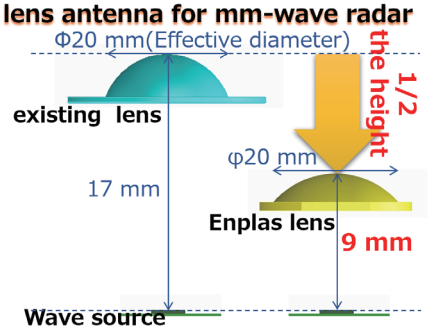
Enplas has contributed to building a more prosperous society with the **high-precision molding technology** we have cultivated since our founding(1962).
We have developed and put on the market a variety of lenses in the visible light, infrared, and ultraviolet regions, and we now produce lens antenna by applying the high-precision processing technology we have cultivated in these short wavelength fields to the radio wave region.

02 Products Details

- **Lens antenna for 6G (edge device / Base Station) :**
  - 1/3rd the height(6.2mm)
  compared to Polypropylene(PP) lens and horn size
  - 3x the transmission distance
  - (1/10th reduction in power consumption)
  compared to horn antenna only
  - for 300GHz
  - 26dBi , 6.2mm height , φ10mm diameter

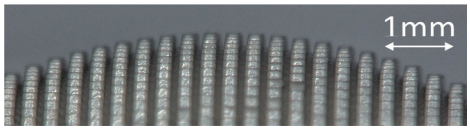


- **φ5mm diameter, 2.9mm height lens antenna is also available** (Please see picture with €1 coin)
  - for 300GHz, 20.3dBi



- **Lens antenna for mm-wave radar :**
  - 1/2 the height(9mm)
  compared to existing lens antenna
  - for 60GHz
  - 19dBi , 9mm height , φ20mm diameter

Our lens antenna uses a precise anti-reflection structure and unique material technology.



Lens surface(anti-reflection structure)