

Data Sheet bPCA-180-05-10-800

Photoconductive THz antenna for laser excitation wavelength ~ 800 nm



PCA – Photo Conductive Antenna

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1 PCA Performance

Performance of the recommended PCA combination:

PCA-40-05-10-800 (Emitter) & bPCA-180-05-10-800 (Detector)

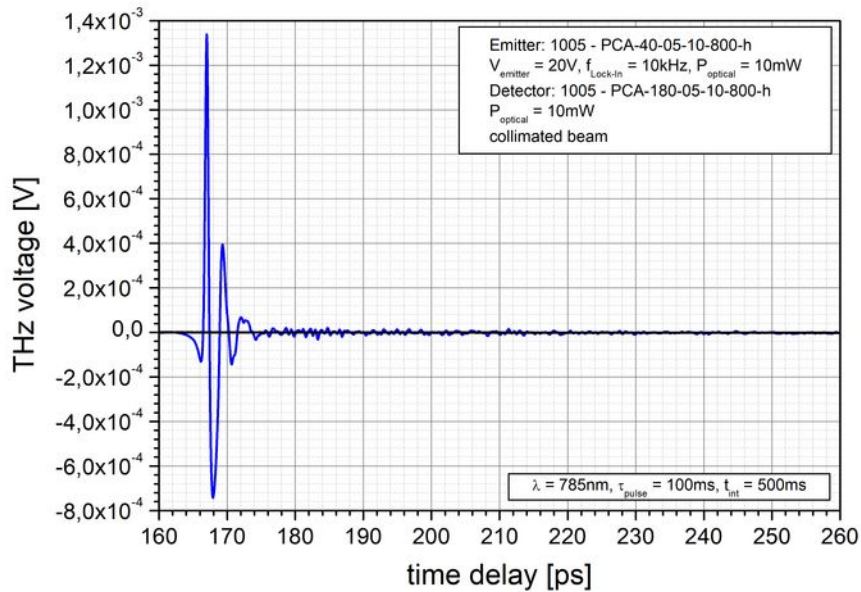


Figure 1: THz signal

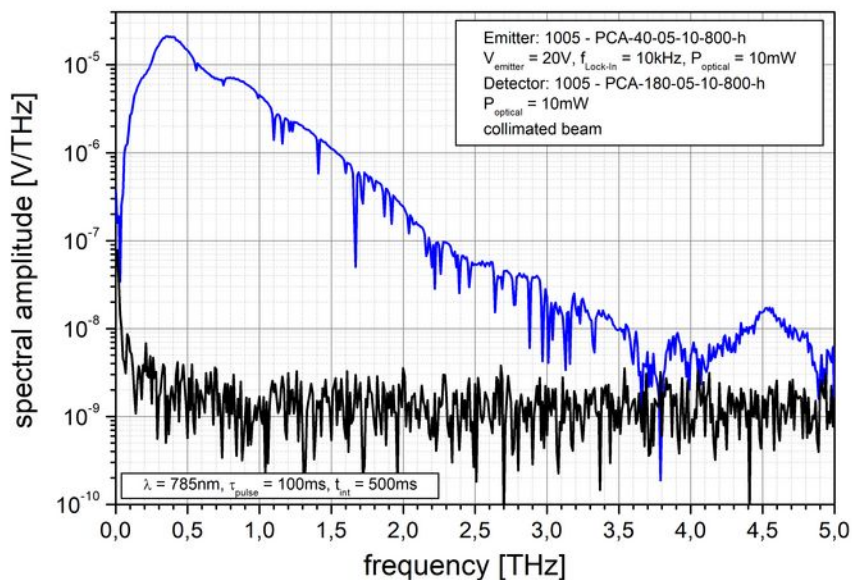


Figure 2: THz spectrum

2 PCA Parameter

Table 1: PCA Parameter

Parameter	Ratings
Dark resistance	> 4 MΩ
Voltage	max. 20 V
Optical power ¹	10 mW (max. 15 mW)

3 PCA Design

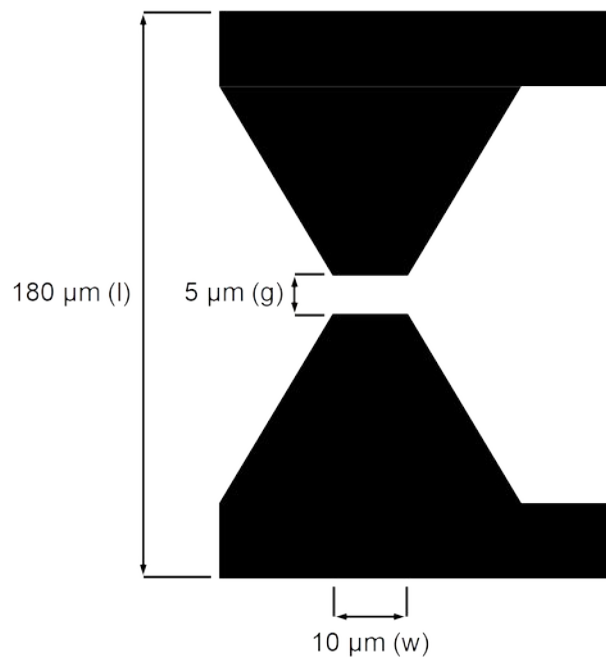


Figure 3: PCA dimensions

- l Antenna Length
- g Gap Distance
- w Gap Width

¹ Repetition rate of 70 – 100 MHz

4 Contact Details

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