PCA - Photoconductive Antenna for Terahertz waves, λ ~ 1550 nm

Photoconductive antennas with LT-InGaAs absorber layer

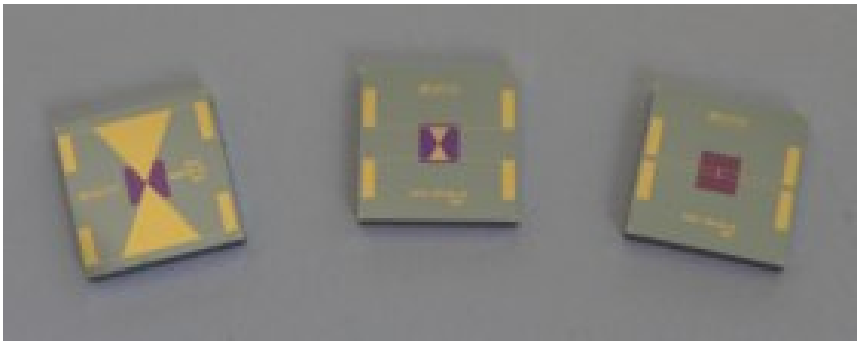
Poster (pdf)
- PCA survey
- THz antenna mounting options
- Adjustment manual for THz spectrometer
- Optical adjustment for single gap antenna
- THz beam guiding

PCA order information:
Part-No description: PCA-l-g-w-λ-x
- l - antenna length
- g - gap distance
- w - gap width
- λ - laser wavelength
- x - mounting options

Page content:
- Parallel-line antenna
- Bow-tie antenna
- Mounting options & price

Bow-tie antenna

- Moderate bandwith
- High signal amplitude
- Recommended as emitter and detector



≡ details bPCA-100-05-10-1550-x

≡ details bPCA-180-05-10-1550-x

≡ details bPCA-870-05-10-1550-x

≡ details bPCA-3000-05-10-1550-x

Mounting options x & price

- x = 0: unmounted PCA chip ≡ details
- x = h: on hyperhemisherical Si-lens ≡ details
- x = c: on collimating Si-lens ≡ details
- x = a: on aspheric focusing Si-lens ≡ details
- x = c-f: fiber coupled ≡ details

Additional options

- Mounted TPX lenses ≡ details
- Mounted focusing optical lens (-l) ≡ details
- XYZ Translation Stage ≡ details