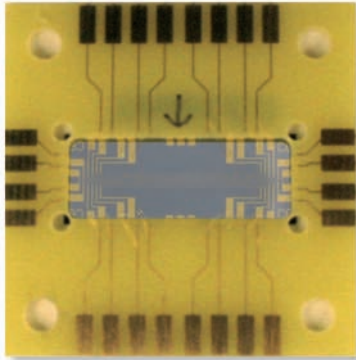
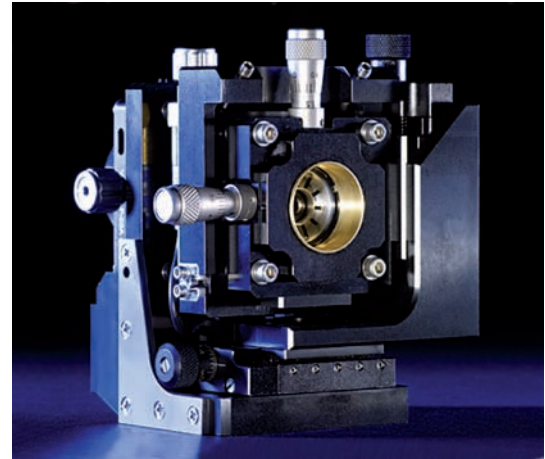


TERA8: THz Antenna for 800 nm

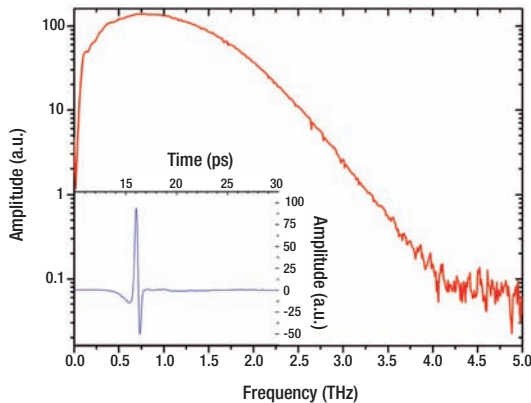


TERA8

The TERA8 is comprised of six dipole structures on one chip. With the "6 in 1" approach, highest bandwidth and highest sensitivity on one chip become a reality. Each chip can be used as an emitter or as a detector. Menlo Systems brings TERA8 to the market with its collaborator, the Fraunhofer Institute for Physical Measurement Techniques IPM.



T8-H1 Holder for photoconductive THz antenna including focusing lens for optical beam and Si lens for THz waves.



Spectrum of Emitted THz Radiation (Insert Shows Data Plot of Electrical Field as Function of Time)

Features

- Photoconductive Switch Optimized for Lasers Around 800 nm and Pulse Widths <150 fs at 100 MHz Repetition Rate
- 6 Dipole Structures on Each Chip
- Low-Temperature-Grown GaAs Dipole Structure
- Each Device is Tested and Ships with its own Individualized Test Report

Specifications

Bonded Structure

6 Dipole Structures	10 μm : Generation of THz Radiation with Highest Bandwidth
	20 μm : Our Standard Length for High Bandwidth and High Sensitivity*
	40 μm : High Dynamic Range at Medium Bandwidth
	60 μm : Generation of THz Waves with Highest Dynamic Range
Gap Size	5 μm
Substrate Size	25.8 mm x 10.2 mm x 0.35 mm
Chip Mounting	Comes Mounted on a 40 mm x 40 mm PCB
Optional Alignment Package	T8-H1 can be Ordered Separately
Recommended Optical Light Sources	
Menlo Systems Femtosecond Lasers	T-Light-780, C-Fiber-780

* There are 3 dipole structures of this length on each chip.

ITEM #	\$	£	€	RMB	DESCRIPTION
TERA8			CALL		THz Antenna for 800 nm
T8-H1			CALL		Mount for TERA8

For local and updated pricing, please call Menlo Systems, Inc. in North America 973-300-4490, Menlo Systems GmbH in Europe +49-89-189-1660, or Thorlabs Japan, Inc. in Asia +81-3-5979-8889, or email sales@menlosystems.com.