Lprobes

ATOMIC FORCE MICROSCOPY PROBES BASED ON MEMS TECHNOLOGY.
Lprobes

High aspect ratio – Ultra long tip
Applications: AFM, s-SNOM IR to THz, EFM, Bio-samples,
High aspect ratio samples

- Monolithic single crystal silicon tip with real tip visibility
- Ultra-long tip: distance between tip apex and cantilever > 60μm
- All half-cone angles < 10° with constant aspect ratio
- Resonant frequencies from 40kHz to 700kHz
- Coatings: Au, Al, Pt and on-demand study

SEM Pictures

Infrared SNOM image (λ = 10μm)
Cells in liquid: Young Modulus
Graphene on SiO₂
6x6μm

Cells in liquid: (50x50μm) topography

Cells in liquid: Young Modulus

THz SNOM image (2.5 THz)
KPFM mode AM lift 20x20μm

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Prices & Information

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