

HYDRA6V-100NG

HYDRA6V-100NG probes are designed primarily for imaging soft samples in non-contact / tapping mode, but can also be used for imaging soft samples in contact mode or for force-distance applications. These probes have a short, narrow, and V-shaped cantilever. The Gold coating on the reflex side allows for improved signal strength in fluid environments.

Tip Specifications

- **Material:** Silicon
- **Shape:** Tetrahedral
- **Height (μm):** 4-6
- **ROC (nm) :** 6
- **Coating:** None



[HYDRA6V-100NG](#)

On click zoom images

[Download Spec](#)

Cantilever Specifications

Material: Silicon
Nitride
Shape : Triangular
Reflex coating : Au, 40 nm
 ± 5 nm

Parameter	Nominal	Min	Max
k (N/m)	0.292	0.133	0.621
f (kHz)	66.0	49.0	90.0
Length (μm)	100.0	90.0	110.0
Width (μm)	18.0	15.0	21.0
Thickness (μm)	0.60	0.54	0.66