

SICONGG

SICONGG probes are silicon probes designed for contact mode applications. These probes feature long, thin cantilevers, which allow for a lower spring constant and improved laser clearance. Our SICONGG probes have Gold coating on both the reflex side and tip sides to increase laser signal quality in fluid environments. The Gold-coated tip side also enhances tip functionalization and signal strength in electrical applications.

Tip Specifications

- **Material:** Silicon
- **Shape:** Pyramidal
- **Height (μm):** 14-16
- **Aspect ratio:** 1.5-3.0
- **ROC (nm) :** 30
- **Coating:** Au, 35 nm \pm 5



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Cantilever Specifications

Material: Silicon

Shape : Rectangular

Reflex coating : Au, 40 nm \pm 5

Parameter	Nominal	Min	Max
k (N/m)	0.29	0.13	0.60
f (kHz)	15.0	11.0	19.0
Length (μm)	450.0	440.0	460.0
Width (μm)	49.0	44.0	54.0
Thickness (μm)	2.50	2.00	3.00