

SHR75

AFM Tip

SHAPE	HEIGHT	SETBACK	RADIUS
Supersharp	17 μm (15 – 19 μm)*	15 μm (10 – 20 μm)*	1 nm

AFM Cantilever

Cantilever A	
Shape	Beam
Force Constant	3 N/m (1 – 7 N/m)*
Resonance Frequency	75 kHz (60 – 90 kHz)*
Length	225 μm (215 – 235 μm)*
Width	28 μm (23 – 33 μm)*
Thickness	3 μm (2 – 4 μm)*

* typical range

Coating

70nm gold on both sides of the AFM cantilever. Carbon spike not coated!

Alignment Grooves

This product features alignment grooves on the back side of the holder chip.

Additional Info

Single carbon spike on silicon apex!

The SHR75 is based on BudgetSensors' well established [Multi75GB-G](#) AFM probe and it is suitable for high resolution light tapping mode operation.

This AFM probe features a single hydrophobic diamond-like carbon extratip at the apex of Gold coated silicon etched AFM probe. There are no additional smaller extratips near the main one, just one well defined extratip.

The AFM holder chip fits most commercial AFM systems as it is industry standard size.