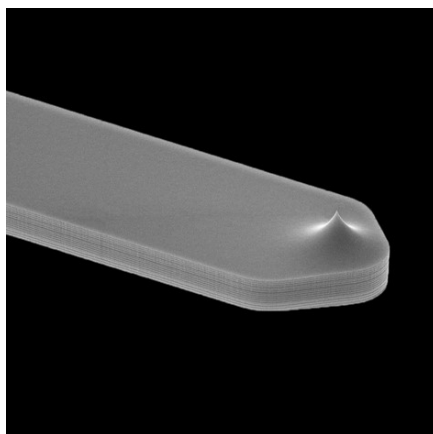
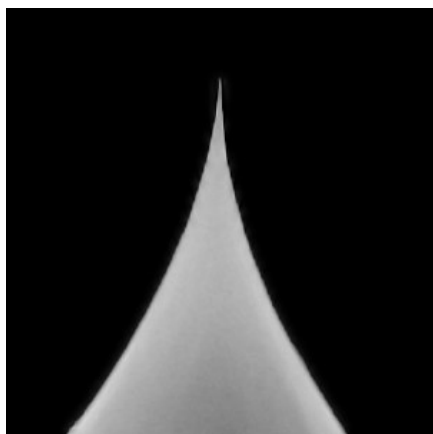


## SCOUT 350HAR



### カンチレバーの仕様

| Parameter                         | Nominal                    | Range         |
|-----------------------------------|----------------------------|---------------|
| Spring constant (N/m)             | 42                         | 25 - 70       |
| Resonant frequency (kHz)          | 350                        | 300 - 400     |
| Shape                             | Rectangular                |               |
| Length ( $\mu\text{m}$ )          | 125                        | 123 - 127     |
| Width ( $\mu\text{m}$ )           | 30                         | 28 - 32       |
| Thickness ( $\mu\text{m}$ )       | 4.5                        | 4.0 - 5.0     |
| Material                          | Silicon (n-type, Antimony) |               |
| Resistivity ( $\Omega\text{cm}$ ) | 0.02                       | 0.015 - 0.025 |

### ティップの仕様

| Parameter                         | Nominal                                               | Range         |
|-----------------------------------|-------------------------------------------------------|---------------|
| Radius (nm)                       | 5                                                     | < 10          |
| Height ( $\mu\text{m}$ )          | 7                                                     | 5 - 8         |
| Set back ( $\mu\text{m}$ )        | 7.5                                                   | 6.5 - 8.5     |
| Shape                             | Conical                                               |               |
| Cone Angle ( $^\circ$ )           | < $15^\circ$ over the last 1 $\mu\text{m}$ of the tip |               |
| Material                          | Silicon (n-type, Antimony)                            |               |
| Resistivity ( $\Omega\text{cm}$ ) | 0.02                                                  | 0.015 - 0.025 |