

High Resolution Semicontact / Noncontact Silicon AFM Cantilevers NSG01 series, resonant frequency 87-230kHz, force constant 1,45-15,1N/m - separated chips

| | |
|-----------------|-----------------------------------|
| Art. ID | TIPS-NSG01/400 |
| Unit | 300 separated chips |
| Deliverydetails | No Dangerous Good /not restricted |

Description

High Resolution Silicon AFM Cantilevers NSG01 series are designed for Semicontact (Intermittent), Noncontact applications. Typical Resonant Frequency 150 kHz (guaranteed range 87-230kHz), Typical Force Constant 5.1 N/m (guaranteed range 1.45-15.1N/m). Cantilever has Au reflective side coating to increase laser signal.

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|----------------------------------|------------|---------------------|------|--------|--------|
| Special Features | | | | | | |
| | Cantilever length L±10μm | | 125 | μm | | |
| | Cantilever width, W±5μm | | 30 | μm | | |
| | Cantilever thickness, T±0.5μm | | 2.0 | μm | | |
| | Resonant frequency, kHz, min | | 87 | kHz | | |
| | Resonant frequency, kHz, typical | | 150 | kHz | | |
| | Resonant frequency, kHz, max | | 230 | kHz | | |
| | Force constant, N/m, min | | 1,45 | N/m | | |
| | Force constant, N/m, mi | | 5,1 | N/m | | |
| | Force constant, N/m, mi | | 15,1 | N/m | | |