

**High Resolution Force Modulation Silicon AFM Cantilevers FMG01 series, resonant frequency 40-96kHz, force constant 1-3N/m - separated chips**

Art. ID	TIPS-FMG01/400
Unit	300 separated chips
Deliverydetails	No Dangerous Good /not restricted

Description

High Resolution Silicon AFM Cantilevers FMG01 series are designed for Force Modulation applications. Typical Resonant Frequency 60 kHz (guaranteed range 40-96kHz), Typical Force Constant 3 N/m (guaranteed range 1-5N/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±10 µm		225	µm		
	Cantilever width, W±5µm		32	µm		
	Cantilever thickness, T ±0.5µm		2,5	µm		
	Resonant frequency, kHz , min		40	kHz		
	Resonant frequency, kHz , typical		60	kHz		
	Resonant frequency, kHz , max		96	kHz		
	Force constant, N/m, mi n		1	N/m		
	Force constant, N/m, mi n		3	N/m		
	Force constant, N/m, mi n		5	N/m		