

OCTOSENSIS MICRO CANTILEVER ARRAYS

Features:

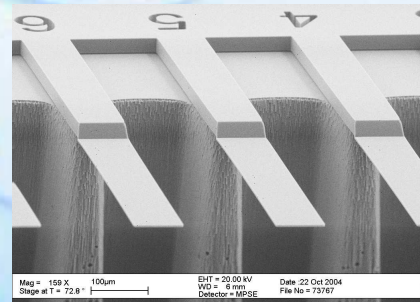
- PRECISION RESONANCE FREQUENCY: SPECIAL CANTILEVER MOUNT
- EASY HANDLING: VERTICAL CHIP SIDEWALLS, OPTIONAL NON STICKING PMMA CARRIER
- CONTAMINATION FREE STORAGE: SHIPMENT IN PMMA CARRIER ON REQUEST

TYPES:

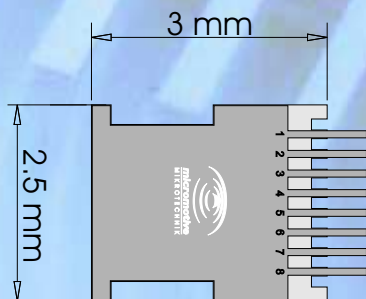
- STANDARD.: 300nm THICKNESS TOLERANCE
- PRECISION: 50nm THICKNESS TOLERANCE (ONLY FOR STATIC MODE)
- CANTILEVER LENGTH: EACH AVAILABLE WITH 500 μ m, 750 μ m OR 1000 μ m

SPECIFICATIONS:

- STATIC MODE SENSORS: 1.0 \pm 0.3 μ m / 0.05 μ m THICKNESS
- SPRING CONSTANT
 - ~23mN/m @ l=500 μ m
 - ~7mN/m @ l=750 μ m
 - ~3mN/m @ l=1000 μ m
 - @ t=1.0 μ m
- DYNAMIC MODE SENSORS: 5.0 \pm 0.3 μ m THICKNESS
- RESONANCE FREQUENCY
 - ~24.3 kHz @ l=500 μ m
 - ~10.8 kHz @ l=750 μ m
 - ~6.1 kHz @ l=1000 μ m
 - @ t=5.0 μ m



CHIP SIZE:



FURTHER CHIP DIMENSIONS:

THICKNESS WITHIN ONE CHIP	\pm 50nm
LENGTH VARIATION	\pm 4 μ m
CANTILEVER WIDTH	90 \pm 2 μ m
PITCH OF CANTILEVERS	250 μ m