

MEMS Cantilever Array

Close-up is available of a [single cantilever structure](#).

Important Details

- 4 cantilevers of varied lengths (300, 400, 500, 600 μm), determined by ACTV mask
- Beam width (determined by ACTV mask) = 80 μm
- Width of ACTV-CONT lip = 8 μm
- 1 control resistor with no cantilever beam
- Resistor composed of three segments of varying linewidth:
 - Segment A: $W = 36 \mu\text{m}$, $L = 144 \mu\text{m}$
 - Segment B: $W = 8 \mu\text{m}$, $L = 42 + 8 + 28 + 8 + 28 + 8 + 42 \mu\text{m}$, Plus 6 corner squares
 - Segment C: $W = 36 \mu\text{m}$, $L = 144 \mu\text{m}$



