Micro cantilever

Product name

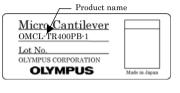
OMCL-TR400PB-1

Silicon nitride Triangular cantilever with Sharpened Pyramidal tip

 \mathbf{P} :

B:

<u>OMCL - TR 400 P B - 1</u>

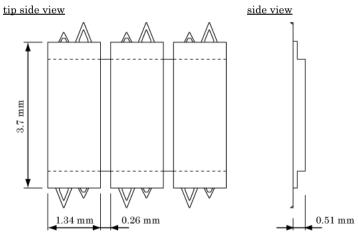


- OMCL : Olympus Micro Cantilever TR : Triangular cantilever
- 400: Lever thickness of 400 nm
 - Pyramidal tip
 - Both side metal coating
- 1: One strip (34 chips) / unit

<u>Chip</u>

There are two types of triangular cantilevers (100 μm and 200 μm long) on both sides of the glass chip.

Dimensions



<u>Material</u>

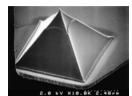
Tip & Lever	Silicon nitride	
Metal coating	Gold / Chromium	
Chip	Tempax glass	

<u>Tip</u>

The tip is a hollow pyramid with a sharp apex (oxide sharpened).

Dimensions

lensions		Typical value	
	Tip height	(µm)	2.9
	Tip radius	(nm)	< 40
	Tip angle	(deg.)	< 70
		,	Tin angle between diag



SEM micrograph of the sharpened pyramidal tip

Tip angle between diagonal ridges is less than 90 degrees.

<u>Cantilever</u>

Dimensions

