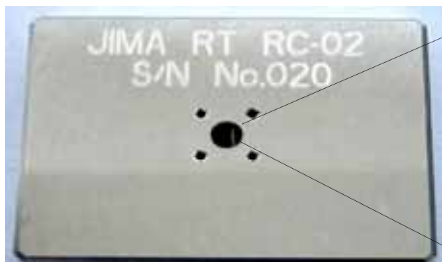


# Operation on Micro-chart *JIMA RT RC-02*

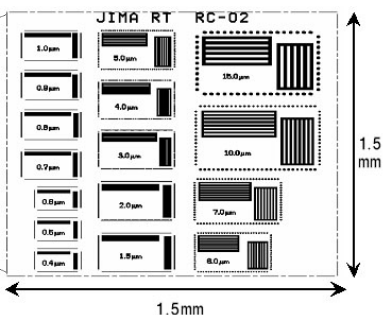
## Operation Manual

It is greatly appreciated your purchasing JIMA RT RC-02. Please read this operations manual well for proper usage and then, please preserve for future reference

### Appearance



### Patterns



### Specifications

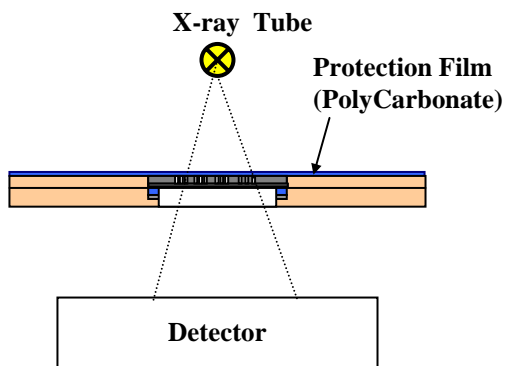
1. Whole Dimensions (WxDxT) : 40 x 30 x 5 mm (Al)
2. Chip Size (WxDxT) : 5 x 5 x 0.06 mm (Si)
3. Thickness of Absorption material ( W: Tungsten ) : 1.0  $\mu$  m
4. Membrane Size : 3 x 3 mm ( Thickness : 2.0  $\mu$  m )
5. Pattern precision : within [ -0 , +10% ] for  $\leq 2 \mu$  m Patterns  
within [ -0 , +7% ] for  $\geq 3 \mu$  m Patterns

[ NOTICE ] All of the pattern sizes have been measured by SEM at typical points, and the data are shown in the document of certification

6. Slit : 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 10.0, 15.0  $\mu$  m  
( Each Slit has 7 Lines except 15  $\mu$  m. 15 has only 5 lines. )

### Testing Method

Please use the test sample by placing the protection-film side toward X-ray source point as shown in schematic figure at the right.



## Notice of Operation

- Do not disassemble the aluminum holder at all.

*The ability of the test sample cannot be maintained.  
Once disassembled, it is impossible to assemble again.*

- For storage, avoid a place of high-temperature and high-humidity.

*If possible, keep it in desiccators.*

- Don't touch the surface of the protective film.

*If peeled off , the slit may be damaged.*

- Don't physically shock the test sample.

*The integrity cannot be maintained after shock.*

- Please utilize this test sample to maintain or to control the capability of the X-ray system.

- It is impossible to re-calibrate or periodically check the test sample,

*It is manufactured by using ultra-fine semiconductor lithography technique and assembled all into one solid piece, so it is impossible to re-calibrate. The protection film was attached after SEM-measurement, so it is impossible to re-measure after assembly.*

- This test sample is expendable.

*If irradiated by X-ray for a long duration, the protective film may be damaged.*