

Microfocus Resolution Chart for X-Ray

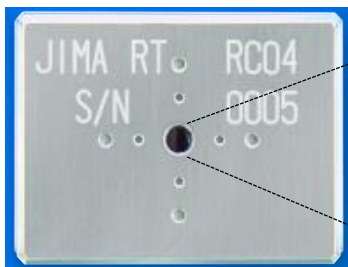
Operation Manual

DOC No. JIMA-D015-R:2015

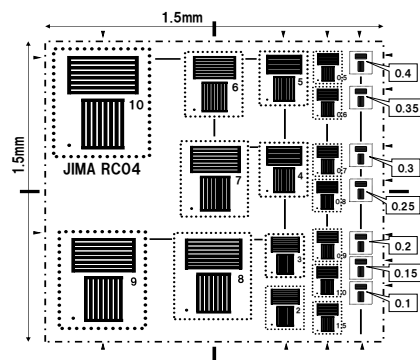
JIMA RT RC-04

It is greatly appreciated your purchasing JIMA RT RC-04. Please read this operation manual well for proper usage and then, please preserve for future reference.

Appearance



Patterns

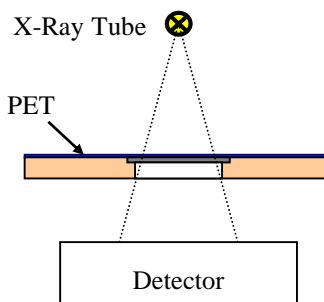


Specifications

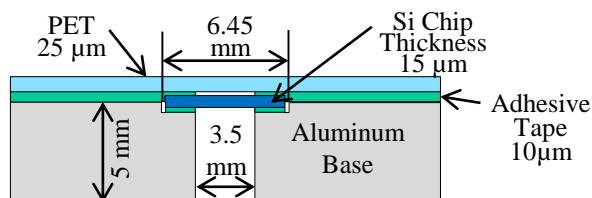
1. Whole Dimensions (WxDxT) : 40 x 30 x 5 mm (Aluminum Base)
2. Chip Size (WxDxT) : 5 x 5 x 0.015 mm (Si)
3. Thickness of Absorption material (W: Tungsten) : $\geq 650\text{nm}$
4. Protection Film : PET, Thickness = $25\mu\text{m}$ (including bonding layer)
5. Lines: 23 sizes 0.1, 0.15, 0.2, 0.25, 0.3, 0.35, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, (Line and Space width are same.) 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 10.0, μm (8 Lines and 7 Spaces) (T Shape Layout)
6. Pattern precision : 0.1&0.15 μm ; within [$\pm 0.02\mu\text{m}$]
0.2 to 2.0 μm ; within [$\pm 10\%$]
3.0 to 10.0 μm ; within [$\pm 8\%$]
7. Supplied in a Air suspension Case with Test Report and

Testing Method

Please place the protection film side toward X-ray Tube.



Construction



Notice of Operation

- Do not disassemble the aluminum holder at all.

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

- This product will be supplied in an air-cushioned case. However, due to delicate precise construction, please handle with care not to put strong impact such as dropping even in the case.
- Since the thickness of the chip is only 15 μm , do not put any pressure. Otherwise, the chip may be broken.
- This chip is covered with a protection film. Do not remove this protection film. Otherwise, the chip may be damaged.
- Please use under +10 degree C to +70 degree C ambience temperature.
- Please storage under controlled circumstances. Recommended range is Temperature 23 \pm 5 degree C, humidity: 50 \pm 10%
- Please use this products to maintain capability of X-Ray systems.
- This product cannot be measure line width after assembled nor cannot be re-certified.
- This product is a kind of absorption goods. It cannot be repaired nor re-assembled
- After receipt of goods, please check any outside damage and test with X-Ray without delay. We cannot accept any claim after one month from delivery. If any defect, we will replace it.
- X-Ray imaging software is different depend on manufacturer. The image might be reversed.
- The thickness of absorption material may be different at point o point. This may cause variation of shading in the image.



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