



2022-06-23

## Specifications of CdTe pixel bare element

(Product type no. : P1S20606100P010)

1. Products : Schottky type CdTe bare element with Guard Ring (Standard Product)
2. General Specifications
  - 1) Material : CdTe(Cadmium Telluride)
  - 2) Dimension : 6.1 ( $\pm 0.05$ ) x 6.1 ( $\pm 0.05$ ) x 1.0 ( $\pm 0.05$ ) [mm]
  - 3) Electrodes : Anode : In/Ti  
Cathode : Pt
  - 4) Electrode Pattern : Electrode Size --- 4.0 X 4.0 [mm]  
Guard Ring(GR) Width --- 0.95 [mm]
3. Electrical Specifications
  - 1) Energy resolution (FWHM)
 

Measurement Condition : RI : 57Co(122keV) , 241Am(59.5keV)  
Bias voltage = 700 [V] @ 23  $\pm$ 3 [°C]

Specification : Not greater than 6.5 [keV] (included GR) (each RI )
  - 2) Leakage Current
 

Measurement Condition : Bias voltage = 10 ~ 1000 [V] @ 23  $\pm$ 3 [°C]

Specification : Measurement only
4. Shipping form
  - Each bare element is put into a paper bag (glassine paper).
  - A paper bag is packed in a fluoroware 2" wafer case.
  - The wafer cases are packed in a metal box, which is in a carton box.
5. Storage
 

Storage temperature ; 0 ~ 50 °C、 (No Condensation)
6. Submitted data
  - (1) Energy spectra for each bare element
  - (2) I-V curve for each bare element
7. Warranty
 

Within one year, we compensate the chips which appear to be out of the specifications.
8. Others
 

This product consists of Cadmium Telluride (CdTe). When decomposed, this material is harmful to human body. Do not take CdTe into human body in any form. When burned, chemically treated, or powdered, CdTe is decomposed and may be easily absorbed into human body.

Information described in this sheet is current as of June 2022.  
 The specifications are subject to change without prior notice  
 due to improvements or other reasons. Before ordering, please  
 contact us to check the updated information.

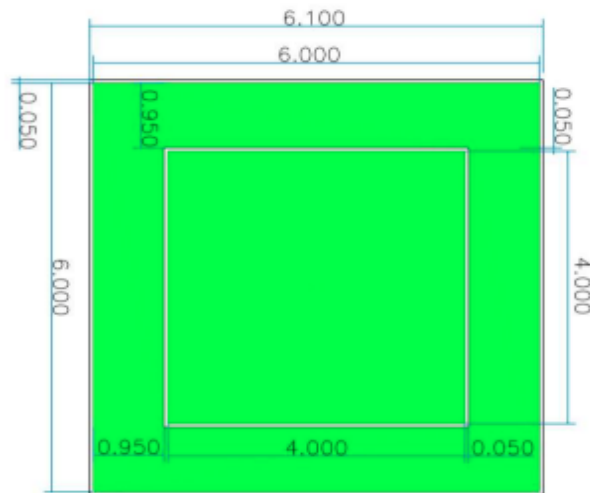
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# Standard Product Pixel CdTe Element with GR



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~ Pixel Electrode Pattern ~



型式  
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