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## Specifications of CdTe bare element

(Product Type No. : P1P110101000010)

1. Products : Ohmic type CdTe bare element (commodity type)
2. General Specifications
  - 1) Material ; CdTe(Cadmium Telluride)
  - 2) Dimension ; 10 ( $\pm 0.05$ ) x 10 ( $\pm 0.05$ ) x 1 ( $\pm 0.05$ ) [mm]
  - 3) Electrodes ; Pt
3. Electrical Specifications
  - 1) Energy resolution (FWHM)
 

Measurement Condition	:	RI ; 57Co(122keV), 241Am(59.5keV) Bias voltage = 60 [V] @ 23 $\pm$ 3 [°C]
Specifications	:	Not greater than 17.0 [keV] (57Co (122kev)) Not greater than 15.0 [keV] (241Am (59.5kev))
  - 2) Leakage Current
 

Measurement Condition	:	Bias voltage = 1 ~ 1000 [V] @ 23 $\pm$ 3 [°C]
Specifications	:	Measurement only
4. Shipping information
 

A bare elements are packed in a fluoroware 2" wafer case. The Pt electrode of the bare elements are put on a plastic film. 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 May 2018.  
 The specifications is subject to change without prior notice due to improvements or other reasons.  
 Before ordering, please contact us to check the updated information.

Hiroki Nakajima  
 Quality Assurance Division Manager  
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