



ACRORAD CO.,LTD.
 13-23 Suzaki, Uruma-shi,
 Okinawa 904-2234 Japan
 TEL : +81-98-934-8960
 FAX : +81-98-934-8961

2018-05-21

Specifications of CdTe bare element

(Product type no. : P1S210101000010)

1. Products : Schottky type CdTe bare element (Commodity type)
2. General Specifications
 - 1) Material : CdTe(Cadmium Telluride)
 - 2) Dimension : 10 (± 0.05) x 10 (± 0.05) x 1 (± 0.05) [mm]
 - 3) Electrodes : Anode : In/Ti
Cathode : Pt
3. Electrical Specifications
 - 1) Energy resolution (FWHM)

| | | |
|-----------------------|---|--|
| Measurement Condition | : | RI : 57Co(122keV), 241Am(59.5keV) |
| | | Bias voltage = 700 [V] @ 23 \pm 3 [°C] |
| Specifications | : | Not greater than 8.0 [keV] (57Co (122kev)) |
| | | Not greater than 9.0 [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
 Okinawa Plant Acrorad Co.,Ltd