

**FEATURES:**

- Low cost
- Penetrative ceramic frame
- Low capacitance
- Thin film coating SiO<sub>2</sub>

**DETECTOR FOR:**

- Alpha spectrometry
- Protons, electrons and ions detector
- Radon detector
- Physical experiment
- Spectrometric or counting systems



**Table 1 - ABSOLUTE MAXIMUM RATINGS**

Name	Value
Reverse voltage	80 V

**Table 2 - SPECIFICATIONS**

Name	Min.	Recommended/ Set-point	Max.
Active area		400mm <sup>2</sup>	
Reverse voltage	1		60V
Leakage current (V = 60 V., T = 20°C)	70nA		150nA
Capacity (V = 60V)	100pF		150 pF
Energy resolution 5.48MeV 241Am		~1.5%	
Weight, grams		1.7g	

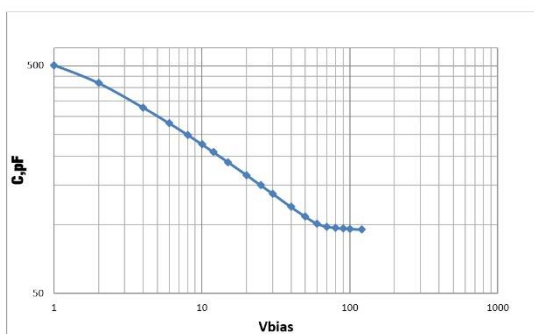


Fig.1. Terminal capacitance vs. reverse voltage.

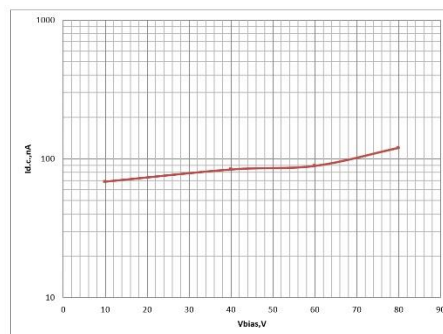


Fig.2. Dark current vs. reverse voltage.

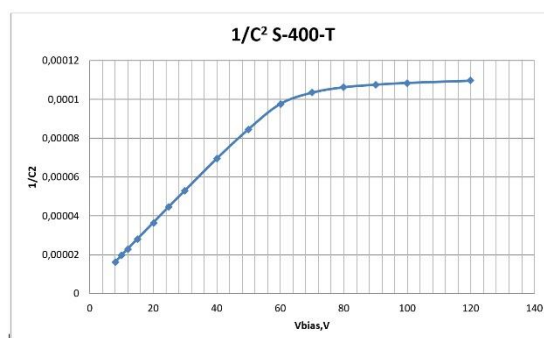


Fig.3. Full depletion voltage (1/C<sup>2</sup>).

## DIMENSIONS AND DESIGNATIONS

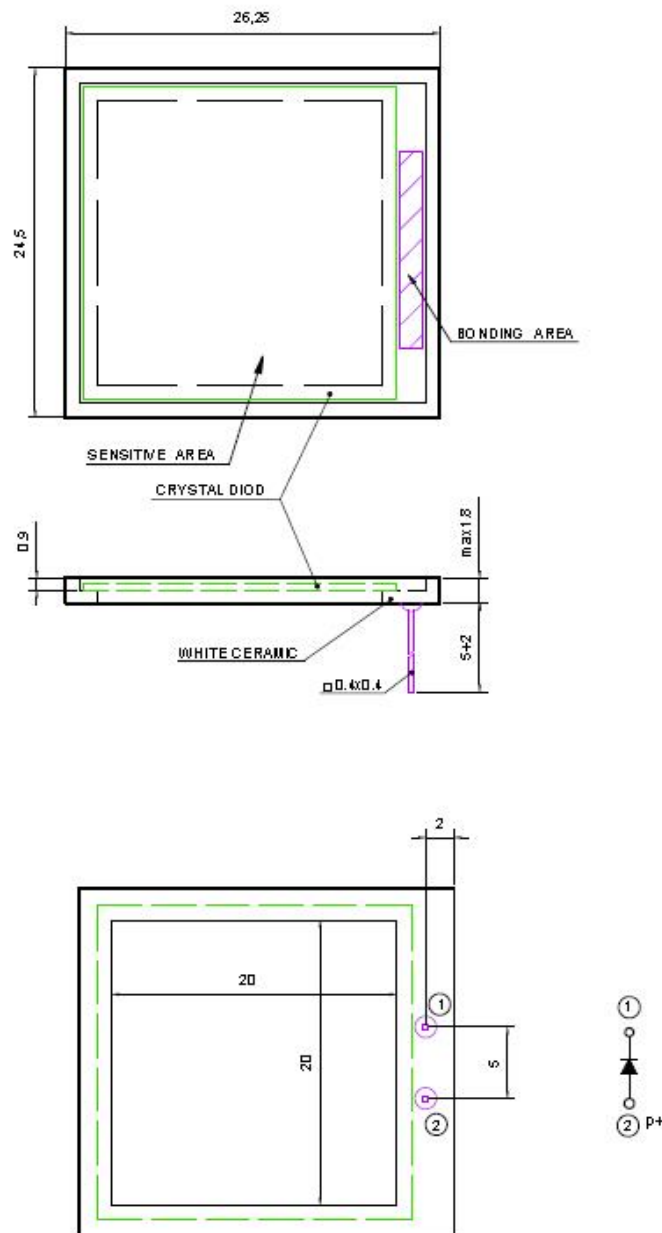


Fig.4. Case drawing.

**ATTENTION: DO NOT TOUCH THE ACTIVE AREA OF THE DETECTOR!**

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