

FEATURES:

- Low cost
- Low capacitance
- Small sizes

DETECTOR FOR:

- Nuclear explosion detection
- Fast neutron detector
- Nuclear reactor radiation measurements
- X-ray, Gamma detector
- Physical experiment

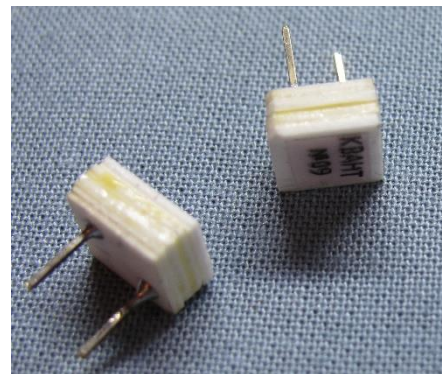


Table 1 - ABSOLUTE MAXIMUM RATINGS

Name	Value
Reverse voltage	60 V

Table 2 - SPECIFICATIONS

Name	Min.	Recommended/ Set-point	Max.
Silicium active value		1mm ³	
The range of detectable radiation dose (Sv/year)	2.5		500
Reverse voltage	0		55V
Leakage current	0.1nA		100nA
Capacity	1.5pF		2 pF
Operating Temperature	-40°C		+60°C
Weight, grams			1g

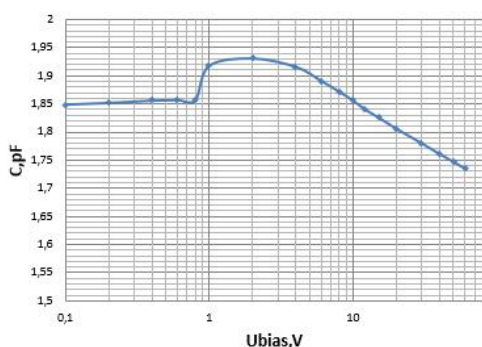


Fig.1. Terminal capacitance vs. reverse voltage.

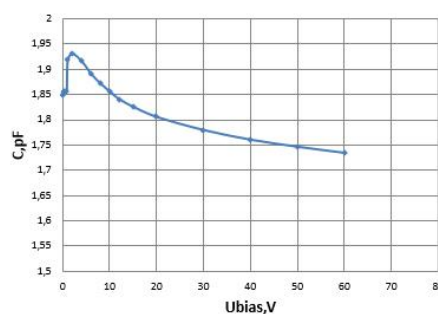


Fig.2. Terminal capacitance vs. reverse voltage.

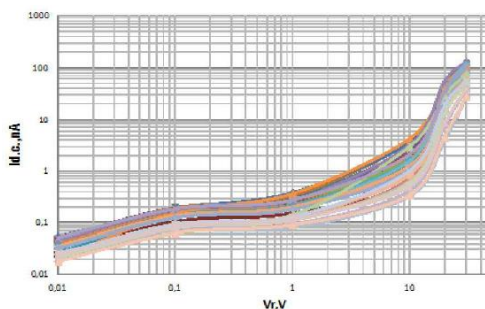


Fig.3. Dark current vs. reverse voltage.

SIGNAL EXAMPLE

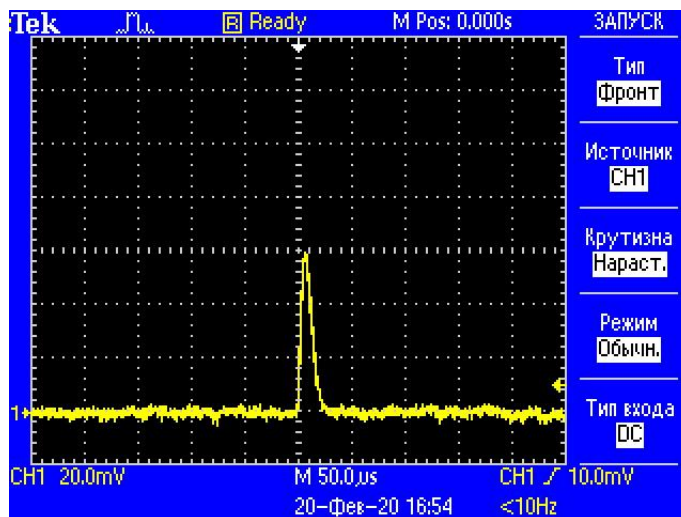


Fig.4. The output signal, ^{60}Co .
Using the amplifier α -CSA & SA-25

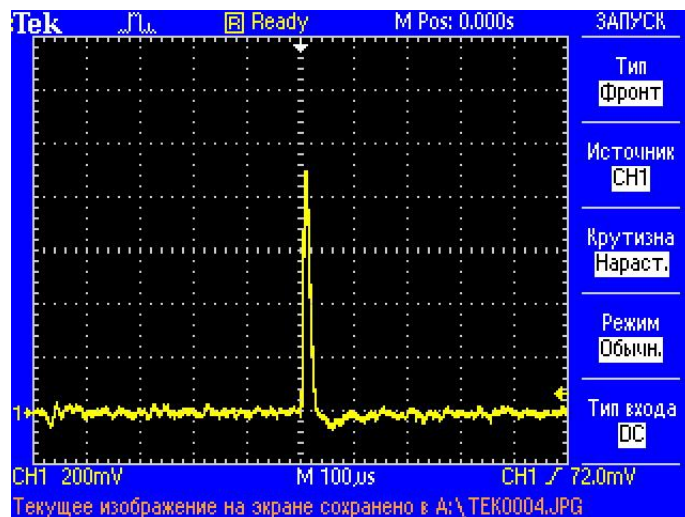


Fig.5. The output signal, ^{60}Co .
Using the amplifier CSA-250 & SA-25

DIMENSIONS AND DESIGNATIONS

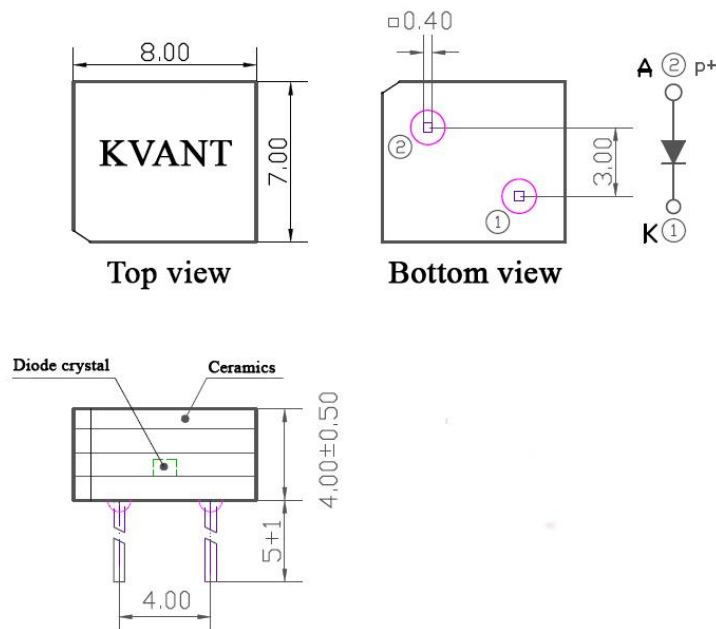


Fig.6. Case drawing.

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