



SI100 SILICON DETECTOR FOR DOSIMETRY

DESIGNATION

Reference : SI100 Silicon detectors with energy filter and black epoxy coating.

SHAPE AND SIZES

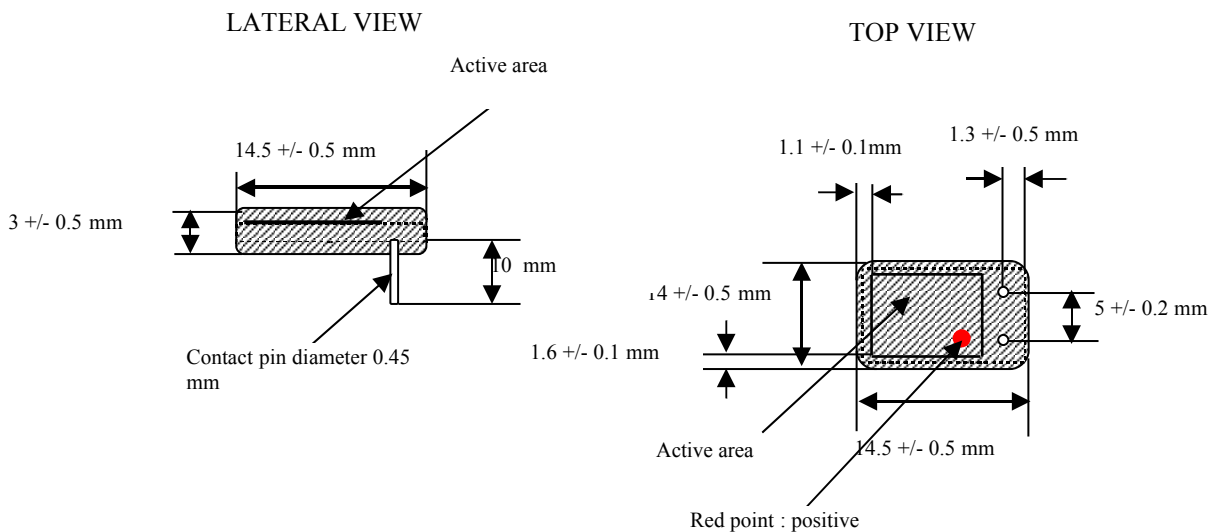
Active area of the detector : 100mm²

Final area of the detector : About 190mm² with filter + coating

Mounting of the detector : Mounted on a holder with two contact pins vertically

Red point : Positive (+)

Dimensions : with coating



EURORAD S.A.

Tel : +33 (0)3 88 26 81 30 Fax : +33 (0)3 88 28 45 48
23, rue du Loess, B.P. 20, F-67037 STRASBOURG Cedex 2 France

Ref. : COM

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CHARACTERISTICS

Energy response :	Linear $\pm 20\%$ from 60 keV to 1.5 MeV
Bias voltage :	3.6 V
Leakage current :	$< 3 \times 10^{-9}$ A at 3.6V
Capacity at 3.6V :	160 pF
Reverse voltage (maximum) :	50V
Sensitivity :	4 000 cps/s/Rad/H
Operating and storage temperature range :	-40 to +80°C
Soldering temperature in a 2mm distance from the case (t \leq 3s) :	230°C

Dark current and capacitance :

