

Title (en)
METHOD OF CHARACTERISING THE SENSITIVITY OF AN ELECTRONIC COMPONENT SUBJECTED TO IRRADIATION CONDITIONS

Title (de)
VERFAHREN ZUR BESTIMMUNG DER EMPFINDLICHKEIT EINES ELEKTRONISCHEN BAUTEILS UNTER BESTRAHLUNGBEDINGUNGEN

Title (fr)
PROCÉDÉ DE CARACTÉRISATION DE LA SENSIBILITÉ D'UN COMPOSANT ÉLECTRONIQUE SOUMIS À DES CONDITIONS D'IRRADIATION

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Application
EP 12755864 A 20120905

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Abstract (en)
[origin: WO2013034588A1] The aim of the invention is a method of selecting a piece of electronic equipment comprising at least an electronic component (101), said electronic equipment potentially being subjected to irradiation conditions listed in predetermined specifications, the method comprising a phase for the characterisation of a sensitivity parameter of the electronic component (101) to these irradiation conditions, this phase comprising: - an irradiation step (210) of irradiating the electronic component (101) with a source of ionizing radiation (100) having the known irradiation characteristics and geometry, - a step (220) of measuring a set of operating values of the electronic component (101) during this irradiation step, said method being characterised in that: - the irradiation step comprises measurements of the sensitivity of the electronic component (101) for a number of irradiation conditions lower than all of the conditions listed in the specifications, - the method further comprises a step (240) of extrapolating the measured results to the other irradiation conditions of the specifications.

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