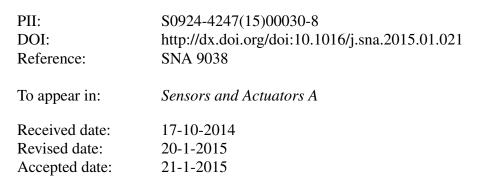
Accepted Manuscript

Title: Total ionizing dose (TID) evaluation of magnetic tunnel junction (MTJ) current sensors

Author: S.I. Ravelo Arias D. Ramírez Muñoz Susana Cardoso Ricardo Ferreira Paulo Jorge Peixeiro de Freitas



Please cite this article as: S.I.R. Arias, D.R. Muñoz, S. Cardoso, R. Ferreira, P.J.P. Freitas, Total ionizing dose (TID) evaluation of magnetic tunnel junction (MTJ) current sensors, *Sensors and Actuators: A Physical* (2015), http://dx.doi.org/10.1016/j.sna.2015.01.021

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

- An experimental study to know the behaviour of tunnel magnetoresistive effect-based current sensors in response to irradiation dose is presented.
- The protocol described in the ESA ESCC Basic specification no. 22900 was followed in his main procedures.
- The measurements revealed a slightly reduction in the sensor sensitivity during the irradiation period followed by a recovery of their nominal and initial values once the irradiation disappeared.

Download English Version:

https://daneshyari.com/en/article/7135996

Download Persian Version:

https://daneshyari.com/article/7135996

Daneshyari.com