



DOCUMENT CHANGE REQUEST

DCR number 1201 Changes required for: General

Date: 2019/02/14

Date sent: 2018/10/29

Originator: Manuel Morales

Organisation: Alter Technology TÜV
Nord

Status: IMPLEMENTED

Title: Integrated Circuits, Silicon Monolithic, Pulse Width Modulator based on Type ST1843

Number: 9108/020

Issue:

4

Other documents affected:

9108/021-3

Page:

6

Paragraph:

1.5 Maximum Ratings

Original wording:

Add note 4

Proposed wording:

4. SEL and SET sensitive parts. Typical performance:

SEL immunity at 30V, 125°C and 60° tilt: 120MeV/mg/cm².

SET Threshold 1.5MeV/mg/cm²; Saturated Cross Section 1E-2 cm².

Contact with manufacturer for further details about SEE performance for your radiation analysis.

Justification:

SEL and SET sensitivity is mentioned on datasheets and reports are available from ST upon request. Typical figures for SEE performance provided in note form in maximum ratings section

Attachments:

improvement_of_escc_specs_stm_st_comments_aug27th(2).doc, st1843_5_datasheet.pdf

Modifications:

N/A

Approval signature:

Date signed:

2019-02-14