DOCUMENT CHANGE REQUEST

DCR number 1254	Changes required for: Proc	Originator: MAILLARD
Date: 2020/04/21	Date sent: 2019/03/14	Organisation: RAKON FRANCE
Status: IMPLEMENTED		

Title:	CRYSTAL OSCILLATORS, CLASS 2, 4MHz TO 100MHz, AHCMOS COMPATIBLE OUTPUT, RAD-		
Number:	3503/001	Issue:	1

Other documents affected:

Page:

-

Paragraph:

-

Original wording:

-

Proposed wording:

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Justification:

-

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Paragraph:

1.5

Original wording:

In the table:
- Operating temperature range (Top) : -55 to +125°C
- Storage temperature range (Tstg) : -55 to +125°C

Proposed wording:

Operating temperature range (Top) : -55 to +110°C
Storage temperature range (Tstg) : -55 to +110°C

Justification:

The below justification is based on RK135 evaluation anf then qualification test results.
Due to design limitations especially the use of a certain type of glue, the hybrid cannot be exposed to a temperature higher than +110°C either during opertaion or storage. Considering that the user has to consider the derating requirements of ECSS-Q-ST-30-11C in the application, the maximum temperature will in any case remain lower than +110°C. This temperature limitation will be transparent witha ny consequence for the users.

Attachments:
escc3503001iss2_for_publishing.docx
Modifications:
All other references in the specification to the operating temperature of +125C shall also be changed to be +110C i.e. in Para 2.3.2 High and Low Temperature Electrical Measurements. The Rise Time and Fall Time limits in the tables Paras 2.3.1, 2.3.2, 2.5, 2.9.2 (for fNom: 16MHz to 100MHz) are changed from 5ns to 7ns. Note: for these tests in the table in Para 2.3.2, the test at 125C is removed and the test at 105C is changed to be at 110C. Note: several additional minor editorial changes have been implemented in this issue including the addition of ESCC specification hyperlinks & internal cross-references.
Approval signature:

Date signed:
2020-04-21