DOCUMENT CHANGE REQUEST

DCR number 1311	Changes required for: General	Originator: Steve Thacker
Date: 2020/06/09	Date sent: 2020/01/28	Organisation: ESCC Executive Secretariat
Status: IMPLEMENTED		

Title:	Crystal Units in Metal Holder, Based on Type T807, Frequency Range 4.0 - 140MHzFollow-up		
Number:	3501/018	Issue:	6

Other documents affected:

3501/019-6, 3501/020-2

Page:

All

Paragraph:

Total reformat/re-write of ESCC Detail Specifications 3501/018 issue 5, 3501/019 issue 5, 3501/020 issue 2 as part of the ongoing conversion of legacy ESA/SCC
specifications to the ESCC format, as well as reflecting changes resulting from the conversion of ESCC Generic Specification No. 3501 (ref. DCR1243).

The layout, format and general content of these new revisions are based on other already converted ESCC Detail Specifications.

See the attached draft Detail specifications that implement all the proposed changes for details:
3501/018 draft 6C, 3501/019 draft 6A, 3501/020 draft 3A

The technical contents of these new draft revisions remain closely based on the currently published issues, except as detailed herein.

Original wording:

See 3501/018 issue 5, 3501/019 issue 5, 3501/020 issue 2

Proposed wording:

Total reformat of these Detail Specifications (i.e. the complete range of currently published ESCC Detail Specifications for crystal units under Generic Specification No. 3501) as part of the ongoing conversion to the ESCC format.

See below for summary of changes, also see attached: the proposed revised draft specifications: 3501/018 draft 6C, 3501/019 draft 6A, 3501/020 draft 3A where all changes are highlighted.

Note: known support for active procurement against these specifications includes the following Manufacturers:
• Rakon.

Summary of changes to the current format, layout and content is as follows:
1) General

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Rewording and restructure of various sections and paragraphs of the specification, plus other editorial changes including deletion of any redundant paragraphs and information, based on the layout and editorial content of other Detail Specifications already converted to ESCC format.

Specific amendments include (see attached draft specifications for details; changes are highlighted):

2) Cover Page, Paras 1.1, 1.2, Table 1(b): New Para. 1.4.2 Component Type Variants and Range of Components is added. The frequency range is amended; see draft specs attached for details.
Note on Mechanical Shock test conditions is added (for 3501/018 & 3501/019 only).

3) Para. 3: the additional symbols are removed.

4) Table 1(a) becomes new Para. 1.4.3. Various changes to the notes are implemented; see draft specs attached for details.

5) Table 1(b) Maximum Ratings: Rated Drive Level amended (for 3501/018 & 3501/019 only) including the applicable frequency ranges; see also new Para 1.4.2; see draft specs attached for details.

6) Figures 2 & 3: Terminal identification information is added.

7) Para 4.3.2: Weight limit requirements are moved to the Component Type Variants paragraph.

8) Para 4.4.1 Case: The case shall be hermetically sealed and have a metal body with hard glass seals. is added. The case materials & finish are made consistent for all 3 specs; see draft specs attached for details.

9) Para 4.5 Marking: is replaced by new Para 2.2 & 1.4.
The information to be marked now includes “The ESCC qualified components symbol (for ESCC qualified components only).” for completeness.

10) Table 5 is deleted.

11) Table 6 (Measurements and Inspections on Completion of Environmental Tests and at Intermediate Points and on Completion of Endurance Testing) is modified and incorporated into new Para 2.5 “Intermediate and End-Point Electrical Measurements”.
Various changes are implemented in this table; see draft specs attached for details.

12) Appendix ‘B’ for KVG is deleted (for 3501/018 & 3501/019 only).

Justification:

Part of the ongoing conversion of legacy ESA/SCC specifications to the ESCC format. Amendments are made to the format and presentation to be consistent with the various other ESCC Detail Specifications already converted to ESCC format, as well as the new issue of ESCC Generic Specification No. 3501.

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Note that the only supporting Manufacturer, Rakon, has already agreed all the proposed changes for the conversion of one of these 3 specs: ESCC Detail Specification No. 3501/018.

Attachments:

3501019_draft_6c_for_review.docx, 3501020_draft_3c_for_review.docx, 3501018_draft_6c_for_review.docx

Modifications:

In 3501/019: Fig 1.6: change dimension C to be 6.9mm max (was 6.8mm max)

In 3501/020: Fig 1.6: change dimension L to be 12.7mm min & N/A

Approval signature:



Date signed:

2020-06-09