DOCUMENT CHANGE REQUEST

DCR number 1016	Changes required for: General	Originator: Steve Thacker
Date: 2016/11/17	Date sent: 2016/07/28	Organisation: ESCC Executive Secretariat
Status: IMPLEMENTED		

Title:	Chokes, Common Mode, Fixed, Moulded, SMD, Based on Series CMC15, 18 and 22		
Number:	3201/010	Issue:	4

Other documents affected:

Page:

All

Paragraph:

Total reformat/re-write of ESCC Detail Specification 3201/010 issue 4 as part of the ongoing conversion of legacy ESA/SCC specifications to the ESCC format as well as reflecting changes resulting from the currently in progress

conversion of ESCC Generic Specification No. 3201: draft 6 (per DCR1008).

The layout, format and general content of 3201/010 issue 5 is based on other already converted and published ESCC Detail Specifications.
The technical content of ESCC 3201/010 issue 5 remains closely based on the original ESCC 3201/010 issue 4 except as detailed herein.

For details of the proposed contents of ESCC 3201/010 issue 5, see the attached draft Detail Specification that implements all the proposed changes:
3201010 draft 5B for DCR Review.docx

Original wording:

See 3201/010 issue 4

Proposed wording:

Total reformat of this Detail Specification (from the range of various ESCC Detail Specifications, 3201/xxx, under Generic Specification No. 3201) as part of the ongoing conversion to the ESCC format.
See below for summary of changes, also see attached the proposed 3201/010 issue 5 that implements all changes per this DCR.

Note: known support for active procurement against this specification includes the following Manufacturers:
• Exxelia Magnetics (previously Microspire) /France (is willing to support procurement of all Variants & the full specified range of components).
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Summary of changes to the current format, layout and content is as follows:

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1) General
Rewording and restructure of various sections and paragraphs of the specification, plus other editorial changes based on the layout and editorial content of other Detail Specifications already converted to ESCC format.

In addition, editorial and technical amendments resulting from the changes proposed in DCR1008 to be made to the test requirements of the Generic Specification, as per ESCC No. 3201 draft 6.
Specific amendments include:
• Para 4.2.3(b) Deviation on Radiographic inspection is deleted.
• Para 4.2.4 & 4.2.5 (Table 6), Temperature Rise: deviation is added to clarify test is performed at +90 +/-5°C
• Para 4.7.1 & Table 4 are deleted
• Table 5(b), applied load cycling during Operating Life test is no longer applied (replaced by constant IR bias)
• Table 6, Only tests with measurements are now included in this table
• Table 6, Thermal Shock: DC resistance measurement is added
• Table 6, Temperature Rise: DC resistance measurements are added
• Table 6, Overload: Insulation Resistance measurement is added
• Table 6, Low Temperature Storage: is deleted
• Table 6, Moisture Resistance: Insulation Resistance measurement is added
• Table 6, Operating Life: Insulation Resistance measurement is added
• Appendix A: is deleted (all deviations are no longer are relevant)

2) Table 1(a), Type Variants:
For all variants, the type number value code is deleted (to prevent any possible confusion)
For all variants, suffix code WR is added to the type number (for clarification & consistency purposes).
Case description column is added (for clarification purposes).
Weights for Variants 01, 02, 03 are amended to be 6g (was 5g), 11g (was 10g), 28g (was 26g) respectively (amended at Exxelia request to reflect actual weight).

3) Table 1(a), Range of Components:
Note on inductance test conditions is added to Inductance columns headers (for clarification purposes)

4) Figure 2:
Drawing is replaced by a better quality one; dimensions remain unchanged except:
Dimension H is amended to be 0.2mm minimum (was maximum)(typographic error from a previous issue)
Terminal 1 index is added to the drawing and Note 1 added (for clarification purposes).

5) Figure 3, Drawing is replaced by a better quality one (with no technical change).

6) Para 4.2.3(a) the 24+/-2 hours Burn-in recovery period is amended to be 24 hours minimum (to provide flexibility during testing).

7) Para 4.4.2, alternate copper plating is added (at Exxelia request to reflect actual materials used).

8) Para 4.5.3, example code 52K is corrected to be 520 (typographic error in a previous revision)

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9) Table 2:
For Inductance, current test condition is included (for clarification purposes).

10) Table 3 Note 1: Note is amended to clarify that Table 3 testing is only required on a lot being tested for qualification or maintenance of qualification (i.e. it is not required for procurement due to no serialisation).

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 ESCC Generic Specification No. 3201 draft 6.

See also change details for justification for specific items above.

Note: the changes per this DCR have been agreed with ESCC qualified Manufacturer Exxelia Magnetics

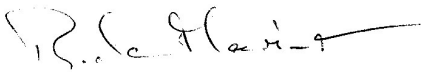
Attachments:

3201010_draft_5b_for_dcr_review.docx

Modifications:

N/A

Approval signature:



Date signed:

2016-11-17