DOCUMENT CHANGE REQUEST

DCR number 1518	Changes required for: General	Originator: Steve Jeffery
Date: 2023/01/27	Date sent: 2022/07/20	Organisation: ESCC Executive
Status: IMPLEMENTED		

Title:	Generic Specification for Capacitors and Capacitor Filters Feedthrough.		
Number:	3008	Issue:	4

Other documents affected:

Page:

See attached Draft 5A of ESCC 3008 and below.

Paragraph:

See attached Draft 5A of ESCC 3008 and below.

Original wording:

See currently-published ESCC 3008 Issue 4.

Proposed wording:

A number of changes are proposed (all changes are considered to be editorial) for the purposes of clarification, correctness and consistency w.r.t. the content of other “converted” Generics (in particular ESCC 3405, which is currently at Draft 3E) as detailed below.

Note that minor editorial/format/layout changes (e.g. the addition of missing commas) are not listed:

Page 13 Para. 6.2.1: "Rapid Change of Temperature" is added for completeness.

Page 18 Para. 8.4.2: "Screening" is corrected to "Screening Tests". Para. 8.5.1.1, Capacitance: The last sentence "N.B. ..." is re-worded for clarification & general improvement.

Page 19 Para. 8.5.1.2, Voltage Proof: The "Test voltage" details are re-itemised as 2 separate points. Para. 8.5.1.3, Insulation Resistance: The correction factor table is revised, as only the correction factors betw. 19 & 25 deg. C apply to testing of components.

Page 20 Paras. 8.5.1.4, Insertion Loss and 8.5.1.5 Voltage Drop: Amended for conciseness and clarification, e.g. "Screening and Periodic Testing..." is now "Screening Tests (Chart F3) and Periodic Testing...".

Page 21 Para. 8.6, Burn-in: Amended for completeness, e.g. the details of Burn-in are now bulleted items - "Duration", "Data Points".

Page 22 Para. 8.9, Temperature Rise: Text is amended (for clarification, conciseness & general improvement); the "Current v. Wire Size" table in the MIL Method for temperature Rise in MIL-PRF-28861 does not include a column "Dia. (mm)", this column is therefore considered unnecessary and is deleted from the table in Para 8.9.

Page 22 Para. 8.10, Overload: Text is amended for clarification & general improvement.

DOCUMENT CHANGE REQUEST

DCR number 1518	Changes required for: General	Originator: Steve Jeffery
Date: 2023/01/27	Date sent: 2022/07/20	Organisation: ESCC Executive
Status: IMPLEMENTED		

Page 24 Para. 8.13, Resistance to Soldering Heat: Text is amended for clarification & general improvement.

Page 24 Para. 8.13, Shock: The Test Conditions terminology is now in-line with ESCC 3405, e.g. "Pulse shape: Half-sine" is now "Waveform: ½-sine pulse".

Page 25 Para. 8.16, Accelerated Damp Heat: Text is amended for clarification & general improvement.

Page 25 Para. 8.17, Operating Life: the bullet title "Test Conditions" is removed, with "Mounting", "Duration", "Temperature" etc becoming individual bullets along with "Data Points"; The text of "Mounting" is amended for clarification & general improvement.

Page 27 Para. 8.20, Robustness of Terminations: The text "N.B. ..." is amended to be a new bullet "Sampling (for cases where both tests Ub and Uc are considered applicable)"; Data Points is re-worded for clarification & general improvement.

Justification:

The various changes included in new Draft 5A of Generic 3008 are intended to improve the content of ESCC 3008 in general, and primarily the content of the Test Methods and Procedures section (Section 8).

All proposed changes are considered to be editorial in nature.

Attachments:

escc3008iss_draft5a_for_dcr_review.docx

Modifications:

N/A

Approval signature:



Date signed:

2023-01-27