



DOCUMENT CHANGE REQUEST

DCR number 1522 Changes required for: General

Date: 2023/04/20

Date sent: 2022/09/08

Originator: Steve Jeffery

Organisation: ESCC Executive

Status: IMPLEMENTED

Title: Capacitors Fixed Metallized Polycarbonate Dielectric, based on type CKM 111

Number: 3006/007

Issue: 6

Other documents affected:

3006/019-7, 3006/020-8, 3006/022-6, 3006/023-7, 3006/024-9, 3006/025-6, 3006/026-4

Page:

See attached Drafts

Paragraph:

See below and the attached Drafts

Original wording:

See currently-published ESCC 3006/007, /019, /020, /022, /023, /024, /025 & /026.

Proposed wording:

The following change is proposed for specs 3006/007, /019 & /022: The value of the "Tsol" Rating given in the Table of Para. 1.5, Maximum Ratings shall be +235 deg.C (was +260 deg.C).

The following change is proposed for 3006/020: The values of the "Tsol" Ratings given in the Table of Para. 1.5, Maximum Ratings shall be +235 deg.C for Variants 01 to 08, and +260 deg.C for Variants 09 to 24.

The following change is proposed for specs 3006/023 & /024: The Note applicable to the Soldering Temperature Characteristic (Para. 1.5, Maximum Ratings) is re-worded for clarification.

The following changes are proposed for 3006/025:

- The values of the "Tsol" Ratings given in the Table of Para. 1.5, Maximum Ratings shall be +235 deg.C for Variants 01 to 08, and +260 deg.C for Variants 09 to 24.
- The Notes applicable to the Soldering Temperature Characteristic (Para. 1.5, Maximum Ratings) are re-worded for clarification and alignment with the change to the "Tsol" Ratings.

The following changes are proposed for 3006/026:

- For Variants 01 to 04, the value of the "Tsol" Rating given in the Table of Para. 1.5, Maximum Ratings shall be +215 deg.C (was +235 deg.C)
- Notes 4 & 5 of Para. 1.5, Maximum Ratings are re-worded for clarification.
- Para. 2.1.1.1(d) Temperature Test Condition shall be +215 +/-3 deg.C (was +235 +/-3 deg.C).

See also the attached MSWord files of these 8 Detail Specs showing these proposed changes (highlighted in yellow).

Justification:



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Changes to the Soldering Temperature Maximum Ratings, applicable related conditions and the conditions for Deviations to Solderability are proposed in order to harmonise (e.g. all SMD packaged Variants now have the same "Tsol" rating of +215 deg.C) and, where necessary, clarify these requirements with regard to the various types of package included in this range of Detail Specifications.

Changes were initially proposed by the Manufacturer Exxelia, with additional amendments by the ESCC T.W.

Attachments:

esc3006022_draft_6a_for_dcr_review.docx, esc3006020_draft_8a_for_dcr_review.docx, esc3006023_draft_7a_for_dcr_review.docx, esc3006026_draft_5a_for_dcr_review.docx, esc3006019_draft_7a_for_dcr_review.docx, esc3006025_draft_6a_for_dcr_review.docx, esc3006007_draft_6a_for_dcr_review.docx, esc3006024_draft_9a_for_dcr_review.docx

Modifications:

N/A

Approval signature:

Date signed:

2023-04-20