



## DOCUMENT CHANGE REQUEST

DCR number 1186 Changes required for: General

Date: 2019/05/09

Date sent: 2018/11/09

Originator: Steve Thacker

Organisation: ESCC Executive  
Secretariat

Status: IMPLEMENTED

Title: Capacitors, Leadless Surface Mounted, Organic Polymer Tantalum, Solid Electrolyte, Enclosed

Number: 3012/005

Issue: 1

Other documents affected:

Page:

Various (See DCR attachment for details)

Paragraph:

Various (See DCR attachment for details)

Original wording:

As per 3012/005 issue 1

Proposed wording:

See DCR attachment ESCC 3012005 Draft 2B for full details of all changes in this DCR (highlighted yellow).

Changes are as follows:

1) Various minor editorial changes; see DCR attachment for details.

Changes also include implementation of hyperlinks for referenced ESCC specifications, plus internal paragraph cross-references.

2) Table 1(a), Weight Max changed to 0.3g (was 0.5g)

3) Para. 4.2.2, Add a deviation to amend the Surge Current Test i.e. to be tested at both 105degC & 25degC (see DCR attachment for full details).

4) Paras 4.2.4, 4.2.5, Table 6, Operating Life test: Add a deviation to amend the test of DC leakage current during the Operating Life test, intermediate data points. The test shall be performed at 25degC per Table 2 (see DCR attachment for full details).

5) Para 4.4.1, delete reference to the specific material type K55.

6) Tables 5(a), 5(b) (& Table 6) for Burn-in and Operating Life: add note to cover specific recovery requirements (i.e. cooling & discharge) after Burn-in and after each temperature extreme during Operating Life (see DCR attachment for full details).

7) Table 6, Surge Voltage: add an initial measurement of capacitance plus a final measurement of capacitance change (see DCR attachment for full details).



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8) Appendix A: Add deviations to make Permanence of Marking in Charts IV & V not applicable (as the part marking is laser etched).

Justification:

Specification is amended to make its contents consistent with both the Manufacturers (Kemet) current testing requirements and with the component details for similar ESCC components (i.e. Kemet Type T584 per ESCC 3012/007 issue 1)  
The changes in this DCR have been agreed with supporting Manufacturer Kemet/P.

Attachments:

dcr\_attachment\_escc\_3012005\_draft\_2b.docx

Modifications:

N/A

Approval signature:

Date signed:

2019-05-09