	<u>ESC</u>	<u>.</u>	D	00	CUMENT	CHANGE REQUEST				
DCR number	695	Changes re	quired for: Ge	ene	ral	Originator: Steve Thacker				
Date: 2015/04/17 Date sent: 2011/12/22				22		Organisation: ESCC Executive				
Status: IMPLE	Secretariat									
Title:	Generic Specification for Capacitors Fixed Chips Ceramic Dielectric Types I and II									
Number:	3009		Issue: 1		1					
Other documents affected:										
Page:										
Total reformat/re-write of ESCC Generic Specification 3009 issue 1 as part of the ongoing conversion of legacy ESA/SCC specifications to the ESCC format.										
Paragraph:										
all										
Original wording:										
The Generic Specification is proposed to be extensively amended to incorporate various policy, technical & editorial amendments & corrections in order to bring it in line with other ESCC Generic Specifications that have already been converted to the new ESCC format.										
The layout, format and general structure, and editorial content of ESCC 3009 issue 2 draft C are based closely on ESCC 5000 issue 6 per DCRs 149, 236, 286, 313 & 399 (all approved). The proposed technical content of ESCC 3009 draft 2C is based on the current content of ESCC 3009 issue 1.										
This DCR summarises all the amendments to ESCC 3009 issue 1, plus identifies the additional editorial & technical changes to ESCC 3009 issue 1 not already generally detailed and justified by DCRs 149/236/286/313/399.										
For full details of the proposed contents of ESCC 3009 issue 2 see the attached draft Generic specification ESCC 3009 issue 2 draft C.										
Note - the content of ESCC 3009 draft 2C per this DCR is very similar to the content of ESCC 3001 draft 2C.										
Change Details:										
A) Main General Changes (similar to those already incorporated into ESCC5000 issue 6):										
1) The SCC testing levels B and C have been deleted; there is now only a single ESCC testing level, equivalent to old SCC level C, but it is not given a specific designation. All requirements applicable to ESCC level B are deleted (e.g. Parameter Drift Value measurements, Radiographic Inspection and serialisation during screening, documentation requirements)										
2) Qualification and Lot Acceptance Testing charts have been incorporated, with some modifications, into a single Chart F4,										





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<ul> <li>28) Para 9.9 Damp Heat Steady State (Para 8.10 in ESCC 3009 draft 2C)</li> <li>The obsolete IEC method is replaced by the equivalent IEC60068-2-78 details.</li> <li>29) Para 9.11 &amp; 9.12 Temperature Coefficient &amp; Temperature Characteristic (Para 8.12, 8.3.1.5 &amp; 8.3.1.6 in ESCC 3009 draft 2C)</li> </ul>									
Redundant test steps are deleted [ 9.11(a), 9.12(a) & 9.12(h) ] Unnecessary equation is deleted.									
30) Para 9.13 Burn-in (Para 8.4 in ESCC 3009 draft 2C) General test conditions are added (duration, temperature, applied voltage)(similar to Operating life except for duration).									
31) Para 9.15.2 Mounting (Para 8.6 in ESCC 3009 draft 2C) Visual inspection after mounting details, are amended.									
32) Para 10.5 Chart F2 Data (Para 9.5 in ESCC 3009 draft 2C) Specific references to data for microsection is deleted.									
Proposed wording:									
see above and attached draft specification 3009 Draft 2C									
Justification:									
All changes have been defined and included to serve the purposes of technical improvement, clarification, accuracy, completeness, simplification, harmonisation and consistency. The aim is to simplify and improve the content and interpretation of the specification and its requirements whilst maintaining an efficient and acceptable technical baseline.									
ESCC 3009 issue 2 draft C is written to closely follow the layout, format and content of the latest ESCC 5000 issue 6. The justifications for the related policy and editorial changes given in all other previous DCRs related to ESCC 5000 issue 6 (i.e. DCRs 149, 236, 286, 313, 399) also apply to this DCR.									
Item 20): Preconditioning details have been clarified to reflect the details as applied by ESCC qualified Manufacturers									

(AVX-NI, AVX/TPC, Eurofarad).

## Attachments:

rationale\_for\_changes\_to\_dcr695\_to\_escc\_3009.pdf, 3009\_draft\_2c\_for\_review.pdf, 3009\_issue\_2\_draft\_j\_for\_pswg.pdf

Modifications:

as per draft J (see attached rationale regarding changes from the WG) accepted DCR 706 will be implemented at the same issue

Approval signature:

la 4

Date signed:

2015-04-17