
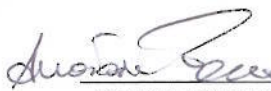

		APPLICATION FOR ESCC QUALIFICATION APPROVAL				Page 1
		Component Title: CAPACITORS, FIXED, CHIPS, BASE METAL ELECTRODE, CERAMIC DIELECTRIC, TYPE II				Appl. No.
		Executive Member: UKSA and ESA		Date: 01/04/2015		331
Components (including series and families) submitted for Qualification Approval						1
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR	
3009/041	03	50V	TTP	300904103474KC	08055C474KE2DJR 0805 470nF 50V	
	03	25V	TTP	300904103105KA	08053C105KE2DJR 0805 1uF 25V	
	04	25V	TTP	300904104225KA	12063C225KE2DJR 1206 2.2uF 25V	
	02	100V	TTP	300904102183KE	06031C183KE2DJR 0603 18nF 100V	
	04	100V	TTP	300904104394KE	12061C394KE2DJR 1206 390nF 100V	
	05	100V	TTP	300904105684KE	12101C684KE2DJR 1210 680nF 100V	
	06	100V	TTP	300904106225KE	18121C225KE2DJR 1812 2.2uF 100V	
	06	50V	TTP	300904106475KC	18125C475KE2DJR 1812 4.7uF 50V	
Component Manufacturer AVX Limited		Location of Manufacturing Plants Hillman's Way Coleraine Northern Ireland, BT52 2DA United Kingdom ZA OLSAVKOU 303 Uherské Hradiště 68601 Czech Republic		ESCC Specification used for Qualification Generic: ESCC 3009 Issue: Issue 1 Detail/s: ESCC 3009/041 Issue: Draft (COL/ESA/PI-03 is3E)		
Qualification Reports Reference and date: COL/ESR/15-01, 15-02, 1503, 1504, 1505, 1506, 1507, 1508 Date: 03/04/2015			PID used for manufacturing Qualification Lot Ref No: COL/ESA/PI-02 Issue: 1 revC Date: 14/03/2014			
PID changes since start of qualification None <input type="checkbox"/> Minor* <input checked="" type="checkbox"/> Major* <input type="checkbox"/> (* Details not published, provided in confidential annex 2.)			Current PID Verified by ESA Name of Executive Representative Ref No: COL/ESA/PI-02 Issue: 1revC Date: 08/04/2015			
Current Manufacturing facilities surveyed by: UKSA and ESA						9
(Name of Executive Responsible) AVXUK-AUD-2014 (ESA-TECQES-RP-0321 iss2)			(Date) 4-5 March 2014 (Coleraine, UK) and 11 June 2014 (Uherské Hradiště, CR)			
Report Reference Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain						
Quality and Reliability Data Evaluation testing performed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Report Ref. No.: 22484/09/NL/CP Date: 30/03/2012 Equivalent Data: See also AEC-Q200 (2009 report) Certification: ISO 9001:2008 and ISO/TS 16949-2009, both Coleraine, UK, and Uherské Hradiště, CR			Failure analysis, DPA, NCCS available Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (supply data) Ref Nos. and purpose: CA report No. D-P-REP-03837-RSE CA was part of the evaluation in 2012			

	<p align="center">APPLICATION FOR ESCC QUALIFICATION APPROVAL</p> <p>Component Title: CAPACITORS, FIXED, CHIPS, BASE METAL ELECTRODE, CERAMIC DIELECTRIC, TYPE II</p> <p>Executive Member: UKSA and ESA Date: 01/04/2015</p>	<p align="center">Page 2</p> <p align="center">Appl. No. 331</p>
<p>The undersigned hereby certifies on behalf of the ESCC Executive, that the above information is correct; that the appropriate documentation has been evaluated; that full compliance to all ESCC requirements is evidence except as stated in box 13; that the reports and data are available at the ESCC Executive and therefore applies for ESCC qualification status to be given to the component(s) listed herein.</p> <p>Date: <u>16/4/2015</u>  (Signature of the Executive Coordinator)</p>		
<p>Continuation of Boxes above: (Only non-confidential comments)</p> <p>[1] Test vehicles. All the lots of capacitors used for qualification testing had previously passed production control and screening to ESCC 3009 Level B requirements.</p> <p>[4] ESCC SPECIFICATIONS. In parallel with the development of the Qualification programme of these capacitors, the applicable ESCC Generic specification, No. 3009, has been the object of a complete update led by the ESCC PSWG. The Detail Specification developed specifically for these capacitors, No. 3009/041, has been developed in conformance with the new issue (2) of the Generic and has therefore stayed as an unpublished draft waiting for the publication of the updated Generic. Both specifications, 3009 iss2 and 3009/041 issue1, have been published finally in April 2015.</p>		

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Non compliance to ESCC requirements: 13


No.:	Specification	Paragraph	Non compliance

Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance: 14

Executive Manager Disposition 15

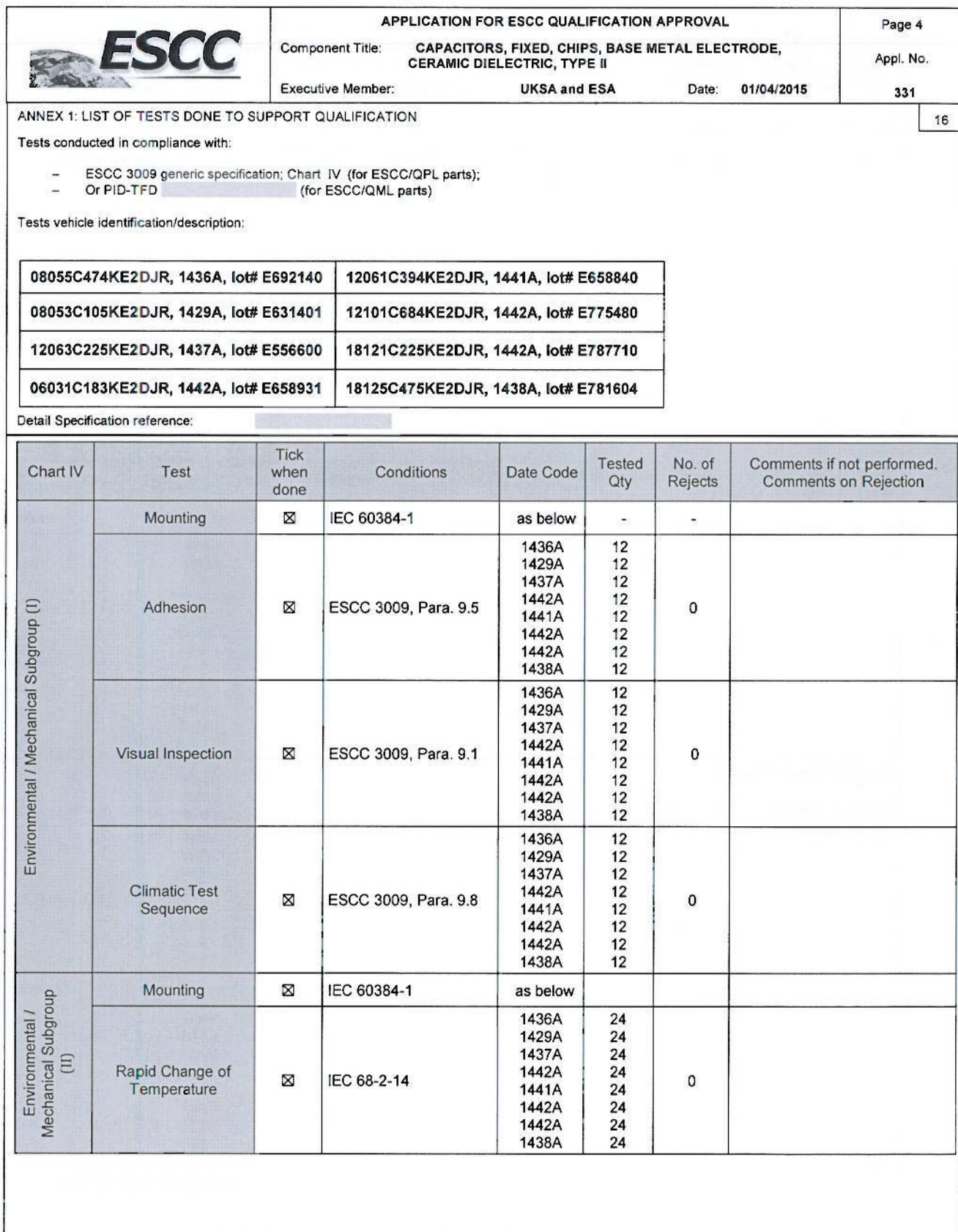
Application Approval: Yes ☐ No ☐

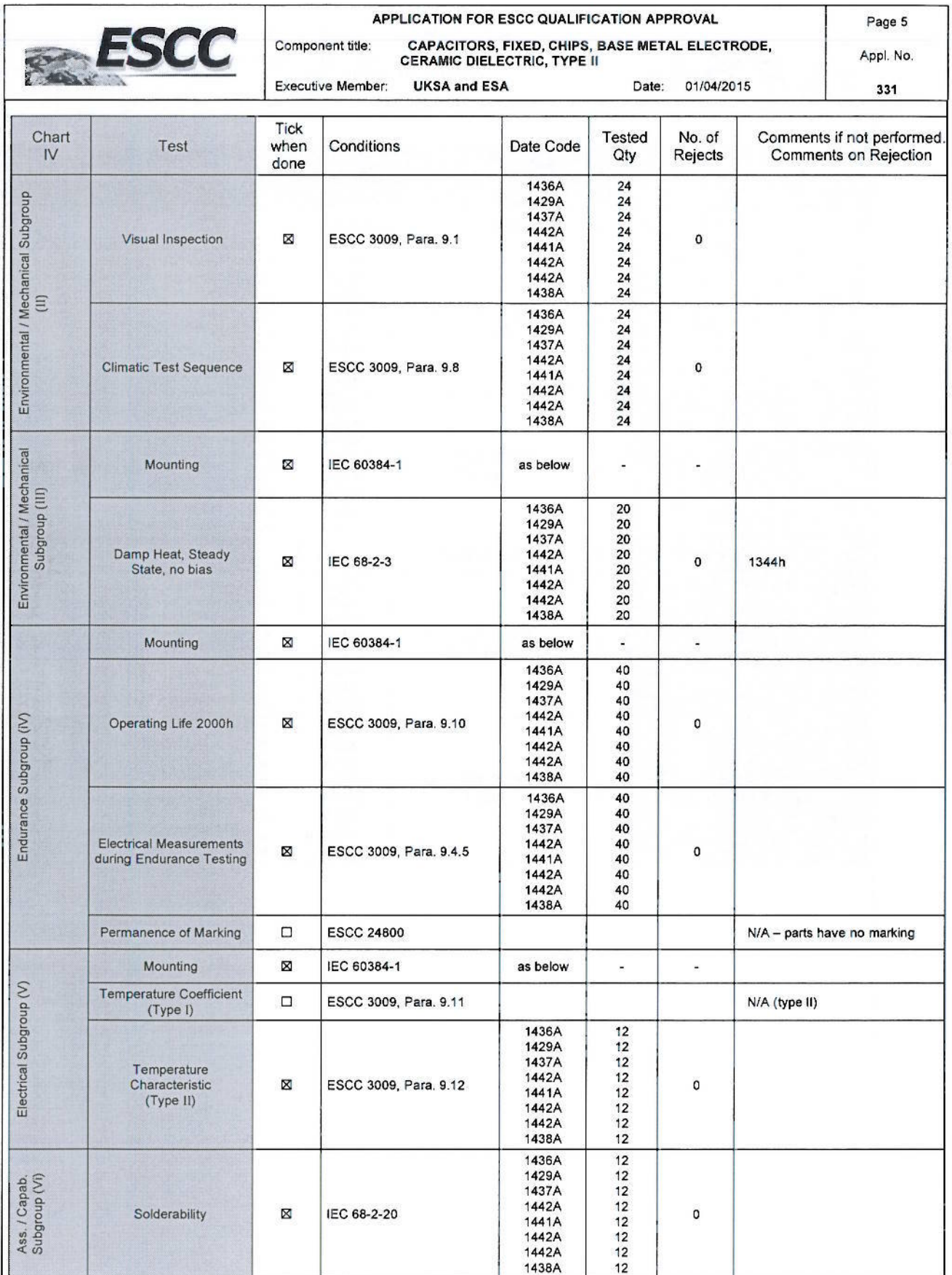
Action / Remarks:



Date: _____

Signature, ESA Representative







APPLICATION FOR ESCC QUALIFICATION APPROVAL

Component title: **CAPACITORS, FIXED, CHIPS, BASE METAL ELECTRODE, CERAMIC DIELECTRIC, TYPE II**

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Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Group 1 Additional Tests	Mounting	<input checked="" type="checkbox"/>	IEC 60384-1	as below	-	-	
	Additional RCT	<input checked="" type="checkbox"/>	ESCC 3009 iss2: Para 8.9	1436A 1429A 1437A 1442A 1441A 1442A 1442A 1438A	20 20 20 20 20 20 20 20	0	
	Steady state humidity, low voltage	<input checked="" type="checkbox"/>	ESCC 3009 iss2: Para 8.2	1436A 1429A 1437A 1442A 1441A 1442A 1442A 1438A	20 20 20 20 20 20 20 20	0	Low voltage, 1000h
Group 2B Additional Tests	Mounting	<input checked="" type="checkbox"/>	IEC 60384-1	as below	-	-	
	Temperature characteristic	<input checked="" type="checkbox"/>	ESCC 3009 iss2: Para 8.12	1436A 1429A 1437A 1442A 1441A 1442A 1442A 1438A	6 6 6 6 6 6 6 6	0	
	Robustness of termination	<input checked="" type="checkbox"/>	ESCC 3009 iss2: Para 8.7	1436A 1429A 1437A 1442A 1441A 1442A 1442A 1438A	6 6 6 6 6 6 6 6	0	



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Component Title: CAPACITORS, FIXED, CHIPS, BASE METAL ELECTRODE,
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NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION APPROVAL

ENTRIES

- Form Heading** shall indicate:— the title of the component as given in its detail specification or the name of the series or family; — the entering date; — the serial number and the suffix of the form.
- Box 1** shall provide details given in table; in particular there shall be listed - the variants or range of variants; the range of components by using the ESCC code for values tolerances, etc.; the designation given in detail specification as 'based on'; —under Test Vehicle enter either a cross or the specific characteristic capable to identify the component tested; — under component similar enter a cross.
- Box 2 and 3** Manufacturer's name and location of plant where the components were manufactured and tested.
- Box 4** Generic and detail specifications used during qualification program.
- Box 5** Reference to test report(s) submitted in support of application.
- Box 6** Enter details to identify the PID that was applicable at the time the qualification lot was manufactured.
- Box 7** If the PID was evolved after qualification lot manufacture, adequate details of such evolution shall be provided together with reasons for changes. Major changes shall be clearly marked.
- Box 8** The box serves to identify the current PID and the Executive Representative that has verified it together with the date of this occurrence.
- Box 9** This box can be completed only after a physical visit to the plant to confirm that the practices, procedures, materials, etc. used in manufacturing the components are as described in the PID. This survey shall be carried out in accordance with the requirements of ESCC Basic Specification No. 20200 and its findings shall be recorded.
- Box 10** Details entered shall be sufficient to evidence that an evaluation program according to ESCC Basic Specification No. 22600 has been performed and that the results thereof are summarized in the survey and test reports. If the evaluation program has not been carried out according to established ESCC documents, the applicant Executive Representative shall provide alternative data and declare its assessed degree of satisfactory compliance with the ESCC basic requirements. Reference shall be made to the reports on Destructive Physical Analysis (DPA), Failure Analysis and Non conformance (NCCS) issued during the Evaluation and/or Qualification Phase.
- Box 11** Enter the name of the Executive Coordinator and the signature.
- Box 12** To be used when there is a need to expand any of the boxes from 1 through 10. Identify box affected and reference the Box 12 in the relevant Box. Box 12 can be broken into 12a, 12b, etc. if several Boxes have to be expanded.
- Box 13** Fill table as requested.
- Box 14** Fill in any additional tasks required to achieve full compliance.
- Box 15** All Executive recommendations on the application itself, special conditions or restrictions, modifications of the QPL or ESCC QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 15, signed by the ESA Representative.
- Box 16** Fill in Table as requested.
- Box 17** Confidential details of PID changes shall be provided.
- Box 18** State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 18 each nonconformance shall be sequentially numbered. If relevant state 'None'
- Box 19** Any additional action deemed necessary by the Executive Representative to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the nonconformance.
- Box 20** Additional Comments