


		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1 Appl. No. 327F
Component Title: Capacitors, Leadless Surface Mounted, Tantalum, Solid electrolyte, Low equivalent series resistance based on type TES.		Executive Member: ESA			Date: 29/09/2025
Components (including series and families) submitted for Extension of Qualification Approval:					1
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3012/004	01 A - G16	ESCC 3012/004, issue 7 – page 7	TES	See box 14	All other variants and values.
	02 B - G16	1uF-470uF, 6V -50V			
	03 C - P17				
	04 D - P17				
	05 E - P17				
Component Manufacturer KYOCERA AVX Components s.r.o.		Location of Manufacturing Plant(s) Dvorakova 328 Lanskrout Czech Republic		Date of original qualification approval: Date: 10/12/2013 Certificate Ref No. 327	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3012 Issue: 5 Detail(s): 3012/004 Issue: 8		Deviations to LVT testing and Detail Specification used: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details in Box 15) Deviation from current Specifications: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (Supply details)		Qualification Extension Report reference and date: Extension of Valid Qualification, Customer Information Package, 29th September 2025	
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)					8
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
See box 22					
PID changes since start of qualification None <input type="checkbox"/> Minor* <input checked="" type="checkbox"/> Major* <input type="checkbox"/>			Current PID Verified by: _____ Name of Executive Representative Ref No: Ad1) PID100, Ad2) PID 100/004 Issue: 9 under approval Date: 7.10.2024 Rev Date: 29.9.2025		
*Provide details in box: New issue of PID100 and PID100/004 Proposal has been sent to ESA before the extension of the qualification approval. Changes: • new ESCC Deputy Chief Inspectors • Organisation – management update • ESCC Documents – issue update • Production Flow Chart – update • Production matrix extension E10/50					
Current Manufacturing facilities surveyed by: _____ on _____ (Name of Executive Representative) (Date)					11
Satisfactory: Yes <input type="checkbox"/> No <input type="checkbox"/> Explain _____					
Report Reference: _____					

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Failure Analysis, DPA, NCCS available: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Supply data)		12
Ref. No's and purposes:		
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 15;) - that the reports and data are available at the ESCC Executive and therefore applies on behalf of ESA as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein.		13
Date:	<div>Digitally signed by Denis Lacombe Date: 2025.11.03 09:40:07 +01'00'</div> <div>Denis Lacombe</div>	(Signature of the Executive Coordinator)
Continuation of Boxes above:		14
Selection of codes was based on: <ul style="list-style-type: none">o Coverage of different case sizeso Coverage wide range of voltageo Coverage different capacitances and used powderso Purchased units from last re-qualification Selected codes: A4,7/16 – 301200401475KC2000 B1/50 – 301200402105KT2000 C10/25 – 301200403106KE0600 D47/20 – 301200404476KD0055 E470/6,3 – 301200405477KJ0030 E10/50 – 301200405106KT0120		

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Non compliance to ESCC requirements:				15
No.:	Specification	Paragraph	Non compliance	
Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance:				16
Executive Manager Disposition				17
Application Approval: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Action / Remarks:				
Date: 31 October 2025				
<div style="text-align: right;">  <hr/> A. Zadeh Head of the Avionics and EEE Division </div>				


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ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION						
Tests conducted in compliance with: <ul style="list-style-type: none"> - ESCC 3012 generic specification; Chart V (for ESCC/QPL parts); - Or PID-TFD (for ESCC/QML parts) 						
Tests vehicle identification/description: <table border="1" style="width: 100%; height: 40px; margin-top: 10px;"> <tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr> <tr><td></td><td></td></tr> </table>						
Detail Specification reference: 3012/004						

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental / Mechanical Subgroup Group 1A	Mounting	<input checked="" type="checkbox"/>	IEC 60384-1	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	Robustness of Terminations	<input checked="" type="checkbox"/>	ESCC 3012 issue 5, Para. 8.9	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC 20500	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	Climatic Sequence	<input checked="" type="checkbox"/>	ESCC 3012 issue 5, Para. 8.10	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
Environmental / Mechanical Subgroup Group 1B	Mounting	<input checked="" type="checkbox"/>	IEC 60384-1	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	Rapid Change of Temperature	<input checked="" type="checkbox"/>	ESCC 3012 issue 5, Para. 8.2 IEC 60068-2-14	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	Vibration	<input checked="" type="checkbox"/>	ESCC 3012 issue 5, Para. 8.11 IEC 60068-2-6	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	

	Mechanical Shock	☑	ESCC 3012 issue 5, Para. 8.12 IEC 60068-2-27	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	External Visual Inspection	☑	ESCC 20500	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	Climatic Sequence	☑	ESCC 3012 issue 5, Para. 8.10	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
Environmental / Mechanical Subgroup Group 1C	Mounting	☑	IEC 60384-1	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	High and Low Temperature Stability	☑	ESCC 3012 issue 5, 8.13	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	Surge Voltage	☑	ESCC 3012 issue 5, 8.14	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	Damp Heat, Steady State	☑	ESCC 3012 issue 5, 8.15 IEC 60068-2-78	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	External Visual Inspection	☑	ESCC 20500	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
Endurance Subgroup Group 2B (Operating life at 85 °C)	Mounting	☑	IEC 60384-1	A2505 B2449 C2449 D2505 E2449	16x5	0	
	Operating Life at 85 °C	☑	ESCC 3012 issue 5, Para. 8.16(b)	A2505 B2449 C2449 D2505 E2449	16x5	0	
	Intermediate and Final Measurements	☑	ESCC 3012 issue 5, Para. 8.16(a) ESCC 3012/004 issue 7, Para. 2.4	A2505 B2449 C2449 D2505 E2449	16x5	0	
	External Visual Inspection	☑	ESCC 20500	A2505 B2449 C2449 D2505 E2449	16x5	0	

Endurance Subgroup Group 2A (Operating life at 85 °C)	Mounting Operating Life at 85 °C	<input checked="" type="checkbox"/>	IEC 60384-1	E2505	36	0	
		<input checked="" type="checkbox"/>	ESCC 3012 Issue 5, Para. 8.16(a)	E2505	36	0	
		<input checked="" type="checkbox"/>	ESCC 3012 Issue 5, Para. 8.16(a) ESCC 3012/004 Issue 7, Para. 2.4	E2505	36	0	
	Intermediate and Final Measurements						
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC 20500	E2505	36	0	
	Mounting Operating Life at 125 °C	<input checked="" type="checkbox"/>	IEC 60384-1	E2505	24	0	
		<input checked="" type="checkbox"/>	ESCC 3012 Issue 5, Para. 8.16(a)	E2505	24	0	
		<input checked="" type="checkbox"/>	ESCC 3012 Issue 5, Para. 8.16(a) ESCC 3012/004 Issue 7, Para. 2.4	E2505	24	0	
	Intermediate and Final Measurements						
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC 20500	E2505	24	0	



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Assembly Capability Subgroup Group 3	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC 24800	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	
	Solderability	<input checked="" type="checkbox"/>	IEC 60068-2-20 ESCC 3012 issue 5, Para. 8.18	A2505 B2449 C2449 D2505 E2449 E2505	4x6	0	

