

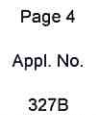
	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL	Page 1 Appl. No. 327B			
Component Title: Capacitors, Leadless Surface Mounted, Tantalum, Solid electrolyte, Low equivalent series resistance based on type TES. Executive Member: ESA Date: 22/09/2017					
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Components (including series and families) submitted for Extension of Qualification Approval:					
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3012/004	01 A-G16	ESCC 3012/004 Table 1(a)	TES	See box 14	All other variants and values.
	02 B-G16	1uF-470uF, 6V -50V			
	03 C - P17				
	04 D-P17 05E-P17				
Component Manufacturer AVX Czech Republic s.r.o		2	Location of Manufacturing Plant(s) Dvorakova 328 Lanskroun Czech Republic		3
		4	Date of original qualification approval: Date: 10/12/2013 Certificate Ref No. 327		
ESCC Specifications used for Maintenance of qualification testing: Generic: 3012 Issue: 3 Detail(s): 3012/004 Issue: 4		5	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)		6
		7	Qualification Extension Report reference and date: Extension of Valid Qualification, Customer Information Package, 22th September 2017		
8					
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)					
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
See box 22					
PID changes since start of qualification None <input checked="" type="checkbox"/> Minor* <input type="checkbox"/> Major* <input type="checkbox"/> *Provide details in box:		9	Current PID Verified by: ESA Name of Executive Representative Ref No: PID100 issue 3, PID 100/004 issue 5 Issue: Date: 07/09/2017 Rev Date: 22/09/2017		
		10			
11					
Current Manufacturing facilities surveyed by: ESA on 23/06/2015 (Name of Executive Representative) (Date) Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain All corrective actions from the audit have been closed out during a teleconference which took place on the 16/09/2015 Report Reference: AVXLAN-AUD-2015-1					

	<p align="center">APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</p> <p>Component title: Capacitors, Leadless Surface Mounted, Tantalum, Solid electrolyte, Low equivalent series resistance based on type TES.</p> <p>Executive Member: ESA Date: 22/09/2017</p>	<p align="center">Page 2</p> <p align="center">Appl. No.</p> <p align="center">327B</p>
<p>Failure Analysis, DPA, NCCS available: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Supply data)</p> <p>Ref. No's and purposes: The NCCS 2EAVX601 has been closed out.</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 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.</p> <p>Date: 24/10/2017</p> <p align="right">  (Signature of the Executive Coordinator) </p>		
<p>Continuation of Boxes above:</p> <p>Selection of codes was based on:</p> <ul style="list-style-type: none"> o Coverage of different case sizes o Coverage wide range of voltage o Coverage different capacitances and used powders <p>Selected codes:</p> <p>A1/25 – 301200401B105KE3000 B4 7/6,3 – 301200402B476KJ0500 C3,3/50 – 301200403B335KT1000 D220/10 – 301200404B227KA0035 E150/16 – 301200405B157KC0040</p>		





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- ESCC 3012 generic specification; Chart V (for ESCC/QPL parts);
- Or PID-TFD (for ESCC/QML parts)

Chart IV	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental / Mechanical Subgroup (Column 1)	Mounting	<input checked="" type="checkbox"/>	IEC 384-1	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Adhesion	<input checked="" type="checkbox"/>	ESCC 3012, Para. 9.10	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC 20500	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC 24800	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Climatic Sequence	<input checked="" type="checkbox"/>	ESCC 3012, Para. 9.13	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
Environmental / Mechanical Subgroup (Column 2)	Mounting	<input checked="" type="checkbox"/>	IEC 384-1	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Rapid Change of Temperature	<input checked="" type="checkbox"/>	IEC 68-2-14	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Vibration	<input checked="" type="checkbox"/>	IEC 68-2-6	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	

	Shock or Bump	<input checked="" type="checkbox"/>	IEC 68-2-27 or IEC 68-2-29	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC 20500	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC 24800	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Climatic Sequence	<input checked="" type="checkbox"/>	ESCC 3012, Para. 9.13	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
Endurance Subgroup	Mounting	<input checked="" type="checkbox"/>	IEC 384-1	A 1645, B 1644, C 1648, D 1710, E 1644	36x5	0	
	Operating Life at 85 °C	<input checked="" type="checkbox"/>	ESCC 3012, Para. 9.17.2	A 1645, B 1644, C 1648, D 1710, E 1644	36x5	0	
	Electrical Measurements during Endurance Testing	<input checked="" type="checkbox"/>	ESCC 3012, Para. 9.4.5	A 1645, B 1644, C 1648, D 1710, E 1644	36x5	0	



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Chart IV	Test	Tick when done	Conditions	Date Code (Year/Week)	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Electrical Subgroup (Electrical Measurements)	High and Low Temperature Stability	<input checked="" type="checkbox"/>	ESCC 3012, Para. 9.14	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Electrical Measurements at Room Temperature	<input checked="" type="checkbox"/>	ESCC 3012, Para. 9.4.4	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC 20500	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
Electrical Subgroup (Ass. / Capab. Tests)	Surge Voltage	<input checked="" type="checkbox"/>	ESCC 3012, Para. 9.15	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
	Solderability	<input checked="" type="checkbox"/>	IEC 68-2-20	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	
Additional Tests	Operating Life at 125°C	<input checked="" type="checkbox"/>	ESCC 3012, Para 9.17.2	A 1645, B 1644, C 1648, D 1710, E 1644	24x5	0	Performed as part of chart IV.
	Damp Heat Steady State	<input checked="" type="checkbox"/>	ESCC 3012, Para 9.16	A 1645, B 1644, C 1648, D 1710, E 1644	12x5	0	Performed as part of chart IV.
		<input type="checkbox"/>					

