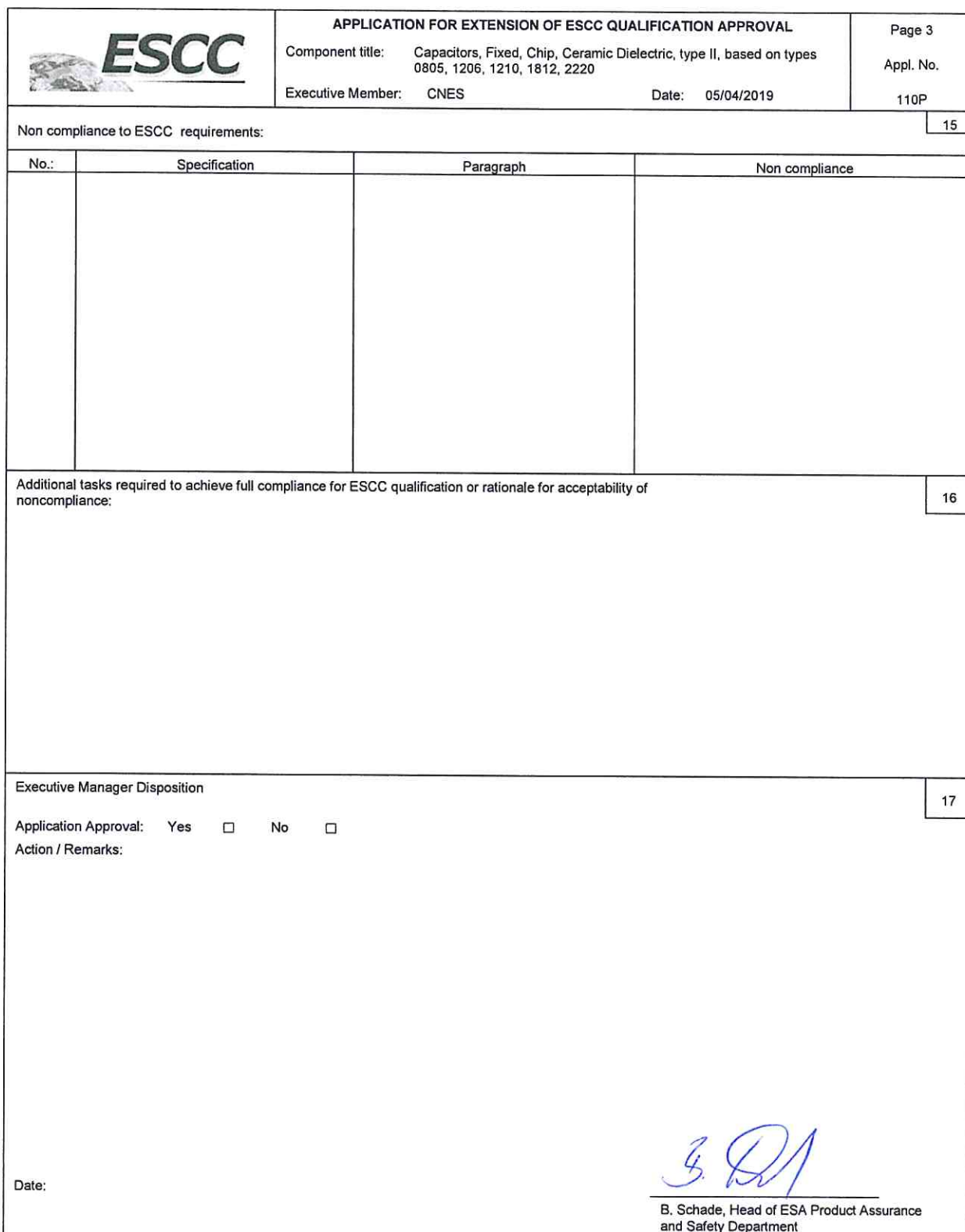

		<b>APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</b>			Page 1 Appl. No. 110P	
Component Title: Capacitors, Fixed, Chip, Ceramic Dielectric, type II, based on types 0805, 1206, 1210, 1812, 2220		Executive Member: CNES		Date: 05/04/2019		
Components (including series and families) submitted for Extension of Qualification Approval: <span style="float: right;">1</span>						
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR	
3009 008	03, 06, 07	See box 14	0805	300900807104KC 300900807104JC	AN12ZD0683KT5	
3009 009	03, 06, 07		1210	300900907334KC 300900907154KE	<a href="#">Click here to enter text.</a>	
3009 010	03, 06, 07		1812	300901007474KE 300901007684KC	AN14ZD0334KT2	
-			-	300901007473KG	-	
3009 011			2220	300901107105KE 300901107334KG	AN15ZE0105KT2 AN15ZF0394KT3 AN15ZE0474K2Y	
-			-			
3009 023	03, 06, 07		1206	300902307104KE 300902307473KG	AN20ZD0473KT2 AN20ZE0104KT2	
Component Manufacturer TPC A division of AVX Corporation		Location of Manufacturing Plant(s) Avenue du Colonel Prat 21850 SAINT APOLLINAIRE - FRANCE		Date of original qualification approval: Date: 01/02/1983  Certificate Ref No. 110 <a href="#">Click here to enter text.</a>		
ESCC Specifications used for Maintenance of qualification testing: Generic: 3009 Issue: 2  Detail(s): 3009/008 Issue: 5 / 6 3009/009 5 / 6 3009/010 4 / 5 3009/011 4 / 5 3009/023 5 / 6		Deviations to LVT testing and Detail Specification used: No <input type="checkbox"/> Yes <input checked="" 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: VOQ 2019 Certificate 110 (Type 2), xx/04/2019		
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first) <span style="float: right;">8</span>						
Project Name	Testing Level	LAT	Date code	Quantity Delivered		
AIRBUS (TESAT) TAS	<a href="#">Click here to enter text.</a>		April 2017 to March 2019	305 534 parts		
TTI A.BEHRENS (G)		2	1725			
RUAG APC(UK)						
PID changes since start of qualification None <input type="checkbox"/> Minor* <input type="checkbox"/> Major* <input checked="" type="checkbox"/> *Provide details in box:		Current PID Verified by: JP Bussenot <span style="float: right;">10</span> Name of Executive Representative Ref No: 1G2 PID 100 18WQ Issue: 18 Date: 12/04/2019 Rev Date: 05/04/2018				
Current Manufacturing facilities surveyed by: JP Bussenot (CNES) on 18/12/2018 <span style="float: right;">11</span> (Name of Executive Representative) (Date)  Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain Status of actions appended to Application 110M  Report Reference: 2018-0022759-CR						

Note that in order to facilitate deliveries, minimum values were harmonized on the basis that a capacitance value may be delivered with a qualified process using either a higher voltage product or a compatible temperature characteristics (i.e. a variant 06 design against a variant 07 order) provided that the maximum chip thickness is compliant.



	<b>APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</b>		Page 4
	Component Title: Capacitors, Fixed, Chip, Ceramic Dielectric, type II, based on types 0805, 1206, 1210, 1812, 2220		Appl. No.
Executive Member: CNES		Date: 05/04/2019	110P

ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION
 18

Tests conducted in compliance with:

- ESCC 3009 generic specification; Chart V (for ESCC/QPL parts);
- Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

300900807104KC/JC DC 1737, 1808, 1826 AN12ZD0683KT5 DC 1820 300900907334KC DC 1802 300900907154KE DC 1830	300902307104KE DC 1722 300902307473KG DC 1751, 1828 AN20ZD0473KT2 DC 1744 AN20ZE0104KT2 DC 1741
300901007474KE DC 1735 300901007684KC DC 1740 300901007473KG DC 1725 AN14ZD0334KT2 DC 1821	300901107105KE DC 1737, 1814, 1824, 1803 300901107334KG DC 1818 AN15ZE0105KT2 DC 1749, 1736 AN15ZF0394KT3 DC 1737 AN15ZE0474K2Y DC 1838

Detail Specification reference: 3009/008/009/010/011/023

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental / Mechanical Subgroup	Mounting	<input checked="" type="checkbox"/>	IEC 60384-1	1737	20	0	
				1808	20		
				1826	20		
				1820	20		
				1722	20		
				1751	20		
				1744	20		
				1802	20		
				1830	20		
				1735	20		
				1740	20		
				1821	20		
				1737	20		
				1803	20		
				1814	20		
				1818	20		
				1824	25		
				1749	20		
				1737	20		
				1736	20		
1838	20						



[illegible]

				1818 1824 1749 1737 1736 1838	20 25 20 20 20 20		
Endurance Subgroup	Mounting	☑	IEC 60384-1	1820 1737 1808 1826 1744 1741 1722 1751 1828 1802 1830 1821 1735 1740 1725 1838 1736 1737 1814 1824 1749 1818 1737 1803	20 20 25 20 40 40 20 20 30 40 25 20 20 20 40 20 20 30 25 40 25 40 40 40	0	
	Operating Life	☑	ESCC 3009, Para. 8.9	1820 1737 1808 1826 1744 1741 1722 1751 1828 1802 1830 1821 1735 1740 1725 1838 1736 1737 1814 1824 1749 1818 1737 1803	20 20 25 20 40 40 20 20 30 40 25 20 20 20 20 40 20 30 25 40 25 40 40 40	0	2 000 hours
	Electrical Measurements during Endurance Testing	☑	ESCC 3009, Para. 8.9	1820 1737 1808	20 20 25	0	

				1826 1744 1741 1722 1751 1828 1802 1830 1821 1735 1740 1725 1838 1736 1737 1814 1824 1749 1818 1737 1803	20 40 40 20 20 30 40 25 20 20 20 20 20 40 20 30 25 40 25 40 40		
Electrical Subgroup (Elect. Meas.)	Mounting	<input type="checkbox"/>	IEC 60384-1				
	Temperature Coefficient (Type I)	<input type="checkbox"/>	ESCC 3009, Para. 8.10				Not applicable
	Temperature Characteristic (Type II)	<input checked="" type="checkbox"/>	ESCC 3009, Para. 8.10	1725 1826 1828 1830 1740 1824 1845 1805 1846	6 6 6 6 6 6 6 6 6	0	- - - - - - 300901006223JE (2C1) 300900806103KE (2C1) 300900806103KE (2C1)
	Robustness of Terminations	<input checked="" type="checkbox"/>	ESCC 3009, Para.8.7	1826 1820 1736 1744 1751 1830 1821 1737 1749 1838	6 20 (a) 20 (a) 20 (a) 6 6 20 (a) 6 20 (a) 20 (a)	0	(a) CECC testing qty
Electrical Subgroup (Ass. / Capab. Tests)	Solderability	<input checked="" type="checkbox"/>	IEC 60068-2-58 Test Td	1725	4	0	
	Permanence of Marking	<input type="checkbox"/>	ESCC 24800				Not applicable
Additional Tests	Insulation resistance at +125°C	<input checked="" type="checkbox"/>	ESCC 3009 Iss. 1 Para 9.4.1.3	1808 1722 1737 1739 1740	6 6 6 6 6	0	

				1818	6		
				1826	6		
				1751	6		
				1814	6		
		<input type="checkbox"/>					
		<input type="checkbox"/>					



