	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL						Page 1		
E	SCC	Component Title: Capacitors, Ceramic, Type II, types C				51 to CNC 54	Appl. No	D .	
		Executive Member: CNES Date: 28/02/2022			ate: 28/02/2022	306E			
Components (includi	ng series and families)	submitted for Extension of Qualification Approval:							
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS BASED ON			TEST VEHICLE / S	COMPON SIMILA			
3001/038	01 to 04	All values, 50 and 50	All values, 50 and 500V CNC5xNE			CNC53NE 10µF 10% 100V CNC54NE 2.2µF 10% 200V CNC54NE 3.9µF 10% 200V CNC54NE 12µF 10% 100V CNC55NE 10µF 10% 200V CNC55NE 33µF 10% 100V CNC56NE 6.8µF 10% 200V			
	08 to 11	All values, 50 and 50	V0V	CNC5xPE		CNC53PE 2.2µF 20% 200V CNC55PE 33µF 10% 50V			
	15 to 18	All values, 50 and 50	0V	CNC5xPLE			х		
	22 to 25	All values, 50 and 50	0V	CNC5xLE			x		
Component Ma EXXELIA SAS	anufacturer <u>2</u>	Location of Manufacturing Plant(s) 3 1, rue des Temps Modernes 77600 CHANTELOUP EN BRIE FRANCE			4 Date of original qualification approval: Date: 01/03/2011 Certificate Ref No. 306				
	5				7				
ESCC Specifications Maintenance of quali Generic: 3001 Detail(s): 3001/03	used for fication testing: Issue: 3, 4	Deviations to LVT testing and Detail Specification used: Qualification Extension Report reference and date: No ⊠ Yes (supply details in Box 15) Test Report 21-0542 iA, Test Report 20-0421 iB, Test Report 20-0445 iB, Test Report 20-0445 iB, Test Report 20-1053 iB, Test Report 20-1053 iB, Test Report 20-0156 iB, Test Report 20-0950 iB, Test Report 21-0543 iA, Test Report 21-0543 iA, Test Report 20-0952 iB,					8		
Summary of procure	ment or equivalent test	results during current va	lidity period in su	pport of this ap	plicatio	n (those to ESCC listed first)		0	
Users Name	Testing Level	LAT	Date code		Quantity Delive	red			
Sybatron (SG), Thales Alenia Sp (It.) Thales DMS (Fr))	- Deliveries from March 20 to March 22 parts							
RGM (lt.) BHARAT, CENTUM (ln.) EREMS (Fr.)		-							
Tubitak Uzay (Tr.)				(::Ci:				40	
PID changes since start of qualification 9 Current PID Verified by: JP.Bussenot,CNES None Image: Start of qualification Image: Start of qualification Image: Start of qualification Image: Start of qualification							10		
Minor*									
Major* □						21/08/2019			
Current Manufacturin	ng facilities surveyed by	(Name of Executive			C	on 09/01/202	20		
Satisfactory:	Yes 🛛	,		/ of ceramic act	ivities, i	(Date) new DL1 line			
Report Reference:	2020-0023019-C & Qualifications (Exxelia-Janvier 2								

	APPLICATION FOR EXTENSION		Page 2						
ESCC	Component title: Capacitors, Ceramic, Type II, types CNC 51 to CNC 54					Appl. No.			
	Executive Member: CNES		Date:	28/02/2022		306E			
			Bato	20/02/2022		12			
Failure Analysis, DPA, NCCS ava	ilable: Yes 🛛 No 🗆	(Supply da	ta)			12			
railure Analysis, DFA, NOOS available. res ⊠ No □ (supply data)									
Ref. No's and purposes: NC 2CETE101: Late delivery of MoQ reports									
						40			
The undersigned hereby certifies on behalf of the ESCC Executive - that the above information is correct; -									
that the appropriate documentation has bee (except as stated in box 15;) - that the repo	rts and data are available at the ESCC Exe	cutive and the	refore applies	on behalf of					
CNES as the responsible Executive Membe	er for ESCC qualification status to be extend	led to the con	nponent(s) list	ed herein. <	Withe	mat			
Date: 01/03/2022				JP. B	USSENOT				
			(Si	gnature of the E		ordinator)			
Continuation of Boxes above:						14			
	submitted to Chart F4 ESCC 3001 issue 4	as described	below:			14			
Туре	Lot Date Code	LVT1A	LVT1B	LVT2A	LVT2B	LVT3			
CNC55 NE 10µF +/-10% 200 V	MG313210200538 dc 21.11	10	-	-	-	-			
CNC53 NE 10µF +/-10% 100 V	MG313210200545 dc 21.11	10	-	-	-	-			
CNC55 PE 33µF +/-10% 50 V	E20070016 dc 20.30	-	3	-	-	-			
CNC56 NE 6.8µF +/-10% 200 V CNC54 NE 2.2µF +/-10% 200 V	E20020012 dc 20.10	-	3	- 10	-	-			
CNC53 PE 2.2µF +/-10% 200 V	E19120049 dc 20.07 E19050135 dc 19.40	-	-	10	-	-			
CNC54 NE 12µF +/-10% 100 V	E20060044 dc 20.37	-	-	- 10	6	-			
CNC55 NE 33µF +/-10% 100 V	E20060066 dc 20.37	-	-	-	-	3			
CNC54 NE 3.9µF +/-10% 200 V	E19120051 dc 20.11	-	-	-	_	3			
		!	!	Į	1	, <u> </u>			

	API	PLICATION FOR EXTENSION OF ESCC QUA	LIFICATION APPROVAL	Page 3
ESCC	Component	t title: Capacitors, Ceramic, Type II, types	CNC 51 to CNC 54	Appl. No.
	Executive N	lember: CNES	Date: 28/02/2022	306E
Non compliance to ESCC requirements:	1			15
No.: Specification		Paragraph	Non compliance	
		rangraph		<u>·</u>
Additional tasks required to achieve full co	mpliance for I	ESCC qualification or rationale for acceptability	of	16
noncompliance:				10
Executive Manager Disposition				
				17
Application Approval: Yes 🛛	No 🗆			
			Dritta (Digital	lly signed
			DIIIIa by Brit	ta Schade
Date:				2022.03.31 33 +02'00'
Date.			B. Schade: Head of the Produc and Safety Department	t Assurance

			APPLICATION	FOR EXTE	NSION OF ES	SCC QUALII	FICATION AP	PROVAL	Page 4
	ESCC	Comp	onent Title:	Capacitors, C	apacitors, Ceramic, Type II, types CNC 51 to CNC 54				
	1 and 1	Execu	itive Member:	CNES			Date:	28/02/2022	306E
IEX 1: LIS	T OF TESTS DONE TO S	UPPORT	EXTENSION OF	QUALIFICA	FION				
s conducte	ed in compliance with:								-
– Pie – Tf	CC 3001 generic specific o- D (for ESCC/QML parts) dentification/description:		t F4 (for ESCC// ;/QML parts)	QPL parts);					
VC53NE 1	0µF ±10% 100V DC 2111	, 3001038	01-106KE	CNC55NE	10µF ±10% 2	200V DC 21	11, 300103803	3-106KG]
	.2µF ±10% 200V DC 200						29, 300103803 10, 30010380		_
	.9μF ±10% 200V DC 201 2μF ±10% 100V DC 2037			CNC53PE	2.2µF ±20%	200V DC 19	40, 30010380	8-225KG	
il Specifie	ation reference:	3001/038		CNC55PE	33µF ±10% 5	00 DC 2030	0, 300103810-	330NC	
•			1		Date	Tested	N° of	Commonto if r	at parformed
Chart F4	Test	Tick when done	Condit	ions	Code	Tested Qty	Rejects	Comments if r Comments o	
	Rapid Change of Temperature	\boxtimes	IEC 60068-2-1	4, test Na	2111 2111	10 10	0		
	Steady State Humidity (85/85) 1 000H	\boxtimes	ESCC 3001, P	ara 8.2	2111 2111 2111	10 10 10	0		
	External Visual Inspection	\boxtimes	ESCC 20500		2111 2111 2111	10 10 10	0		
-	· · ·								
Subgroup 1	Rapid Change Of Temperature	\boxtimes	IEC 60068-2-1	4, test Na	2010 2030	3 3	0		
Sub	Vibration	\boxtimes	IEC 60068-2-6	, test Fc	2010 2030	3 3	0		
	Shock	\boxtimes	IEC 60068-2-2	7, test Ea	2010 2030	3	0		
	External Visual Inspection		ESCC 20500		2010 2030	3 3	0		
Subgroup 2	Operating Life	\boxtimes	IEC 60384-1 c	lause 4.23	2007 1940	10 10	0		
Sut	Capacitance- Temperature Characteristic	X	ESCC 3001, P	ara 8.13	2037	6	0		
e	Solderability	X	IEC 60068-2-2	0, test Ta	2011 2029	3 3	0		
	Resistance to Soldering Heat	X	IEC 60068-2-2	0, test Tb	2011 2029	3 3	0		
Subgroup	Permanence of marking	\boxtimes	ESCC 24800		2011 2029	3 3	0		
_									
Ø									
Additional tests									

	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL	Page 6							
	Component title: Capacitors, Ceramic, Type II, types CNC 51 to CNC 54								
	Executive Member: CNES Date: 28/02/2022	Appl. No.							
	Executive Member: CNES Date: 28/02/2022	306E							
NO	TES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROV	/AL							
ENTRIES Form heading	shall indicate: - the title of the component as given in its detail specification or the name of the series, fam Member; - the entering date; - the certificate number and its sequential suffix.	ily; - the Executive							
Box 1	shall provide details given in the table; in particular there shall be listed: - the variants or range of variants; - the range of components (the ESCC code is recommended to indicate the values or values range, the tolerance, the voltage, etc); the designation given in the detail specification as 'base on'; - under Test Vehicle enter either an ESCC code or the specific characteristic capable of identifying the component tested (e.g., voltage of coil for a relay); - under component similar enter a cross if relevant.								
Box 2; 3 and 4	As per QPL entry; otherwise, an explanation of the changes must be supplied.								
Box 5		Will show the ESCC Generic and Detail specifications, including issue number and revision letter, current at the time the tests reported were performed. If the specifications are different from those current on the date of the application, see Box 6.							
Box 6	Will show the deviations from the Generic and Detail Specifications listed in Box 5, in particular deviations from testing. In case of deviations this must be listed in Box 15. In case the referenced specification in Box 5 have currently a different issue and/or revision indicate also whether the test data deviates or not from such current documents.								
Box 7	Must reference the report(s) supplied in support of the application.								
Box 8	Should provide the details of procurement to the full ESCC System, documentation of all of which should already have been delivered to the ESCC Executive under the terms of the relevant Generic Specification. An appropriate table has been drawn in this box.								
Box 9	If the PID evolved after the Original Qualification or after the last Extension of Qualification, adequate details of such evolution shall be provided together with the reasons for the changes. Major changes shall be clearly marked.								
Box 10	Identify the current PID issue status, date and actual date of verification. The date of verification of the current PID should be arranged as close as possible to the required date of extension.								
Box 11	This box can be completed only after a physical visit to the plant to confirm that no unexplained changes occurred and that the practices, procedures, material, 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 12	Provide details of, or reference to, any Destructive Physical Analysis (DPA) and Failure Analysis reports as well as any Nonconformance(s) (NCCS) occurred during the qualification validity period, stating if established corrective action have produced satisfactory results.								
Box 13	Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.								
Box 14	To be used when there is a need to expand any of the boxes from 1 through 12. Identify box affected and reference the Box 14 in the relevant Box. Box 14 can be broken into 14a, 14b, etc. if several boxes have to be expanded.								
Box 15	Fill in Table as requested.								
Box 16	Any additional action deemed necessary by the Executive Member 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 noncompliance.								
Box 17	All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.								
Box 18	Fill in Table as requested.								
Box 19	Confidential Details of PID changes including those of a confidential nature, shall be provided.								
Box 20	State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 16 each nonconformance shall be sequentially numbered. If relevant state 'None'.								
Box 21	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard lib by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.	Any additional action deemed necessary by the Executive Member 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 noncompliance.							
Box 22	Additional Comments.								