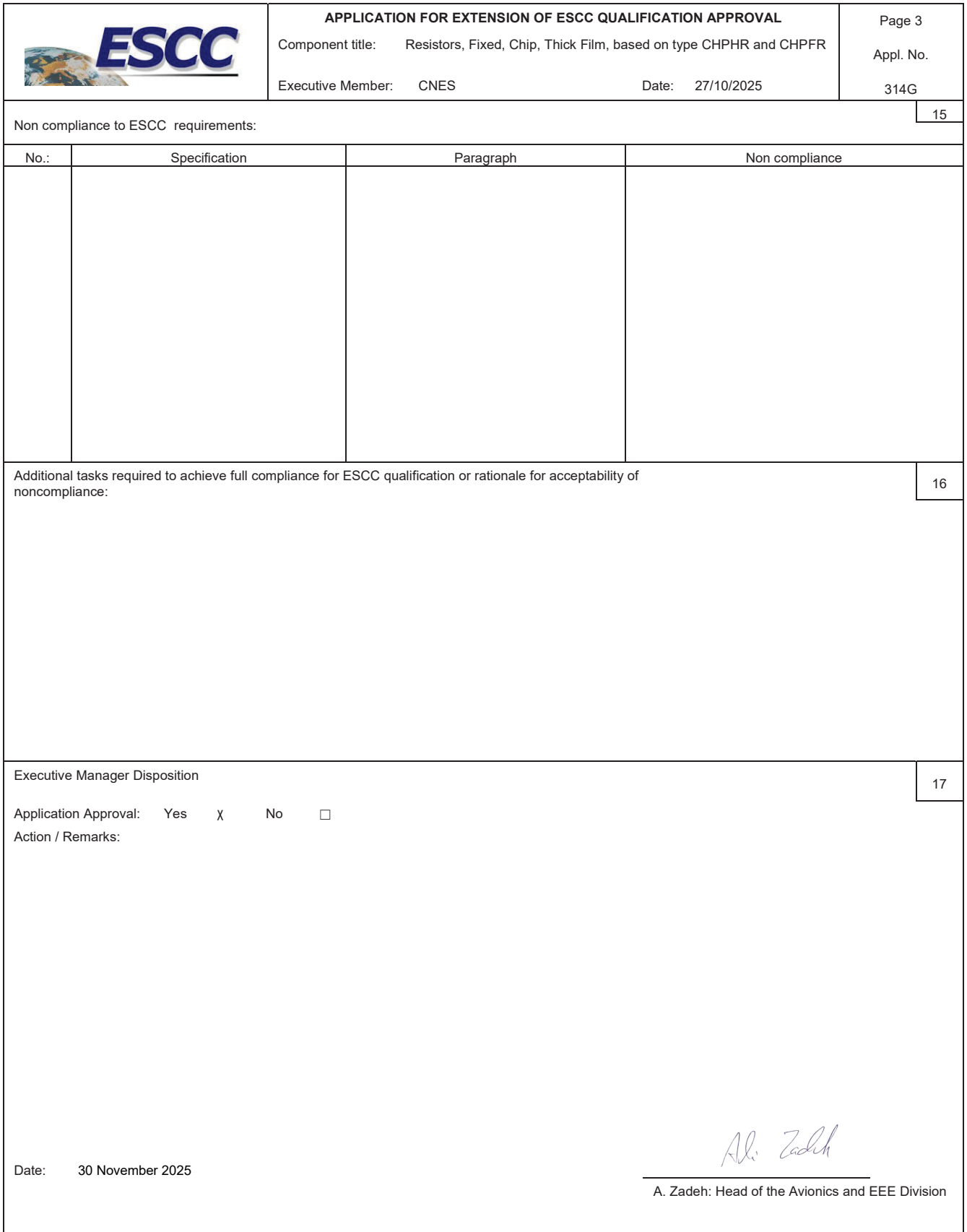
		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1	
Component Title: Resistors, Fixed, Chip, Thick Film, based on type CHPHR and CHPFR		Executive Member: CNES			Date: 27/10/2025	
					Appl. No.	
					314G	
Components (including series and families) submitted for Extension of Qualification Approval:						
<div style="text-align: right;">1</div>						
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S PERIODIC TESTING	COMPONENT SIMILAR	
4001/026	01 & 06 02 & 07 - 03 & 08 - - - - -	All values 50V to 500V	CHPHR0603 CHPHR0805 - CHPHR1206 - - - - -	- 4001026071210F4 4001026024990F4 4001026034991F4 4001026034993F4 4001026034994F4 4001026036801F4 4001026035R60F6 4001026036802F4		
	04 & 09 - - 05 & 10		CHPHR2010 - - CHPHR2512	4001026041471F4 4001026042670F4 4001026093322F4 -		
	11 & 16 12 & 17 13 & 18		CHPFR0603 CHPFR0805 CHPFR1206	- 400102612R2100F4 -	See also box 14 for Failure Rate endurance test vehicles	
	14 & 19 15 & 20 -		CHPFR2010 CHPFR2512 -	- 400102615R1005G6 400102615R12R0F4		
Component Manufacturer VISHAY SA Division SFERNICE		Location of Manufacturing Plant(s) 199 Bld de la Madeleine BP 1159 06003 NICE CEDEX 1 - France		Date of original qualification approval: Date: 11/10/2011 Certificate Ref No. 314		
ESCC Specifications used for Maintenance of qualification testing: Generic: 4001 Issue: 6 Detail(s): 4001/026 Issue: 7		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: 2025 Recondition Qualification CHPHR.pdf 07/2025 Report Qualification Level R CHPFR 2025 CR TRB#34 + Activité HR Fin W29 2025		
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)						
<div style="text-align: right;">8</div>						
Project Name	Testing Level	LAT	Date code	Quantity Delivered		
Alcatel Submarine Networks LTD TAS France ALTER TECHNOLOGY	-	None		Total ≈ 130 000		
TTI, Inc World Peace Int'l						
ECOMAL Europe GmbH Future Electronics Corp AVNET Europe BV Mouser Electronics Inc						
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: CNES		Name of Executive Representative		
19		Ref No: PID CHP HR FR Issue: 9 & 10 Rev Date: 15/10/2024		Date: 27/07/2021		
Current Manufacturing facilities surveyed by: CNES on 16/02/2023						
(Name of Executive Representative) (Date)						
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain						
Report Reference: 2023.0003306-CR-Fontaine-Visite -Vishay-Fevrier-2023						
<div style="text-align: right;">11</div>						





**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL**

Component Title: Resistors, Fixed, Chip, Thick Film, based on type CHPHR and CHPFR

Executive Member: CNES

Date: 27/10/2025

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314G

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

18

Tests conducted in compliance with:

- ESCC 4001 generic specification; Chart F4 (for ESCC/QPL parts);
- or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

4001026071210F4 DC2311 4001026024990F4 DC2428 4001026034991F4 DC2424 4001026034993F4 DC2424 4001026034994F4 DC2434	400102612R2100F4 DC2344 4001026041471F4 DC2340 4001026093322F4 DC2326	4001026036801F4 DC 2405 4001026042670F4 DC 2406 400102615R1005G6 DC2405
4001026035R60F6 DC2446 4001026036802F4 DC2446 400102615R12R0F4 DC2444		

Detail Specification reference: 4001/026

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	N° of Rejects	Comments if not performed. Comments on Rejection
Environmental /Mechanical Subgroup	Mounting	<input checked="" type="checkbox"/>	IEC 60115-1 clause 4.31	2344 2340 2326 2405 2406 2405 2446 2446 2444	5 5 5 5 5 5 5 5 5	0	
	Rapid Change Of Temperature	<input checked="" type="checkbox"/>	IEC 60068-2-14	2344 2340 2326 2405 2406 2405 2446 2446 2444	5 5 5 5 5 5 5 5 5	0	
	Vibration	<input type="checkbox"/>	IEC 60068-2-6				NA
	Climatic test Sequence	<input checked="" type="checkbox"/>	ESCC 4001, Para 8.10	2344 2340 2326 2405 2406 2405 2446 2446 2444	5 5 5 5 5 5 5 5 5	0	
	Seal Test	<input type="checkbox"/>	IEC 60068-2-17				NA
	Mounting	<input checked="" type="checkbox"/>	IEC 60115-1 clause 4.31	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	3 3 3 3 2 2 2 2 2 2 2 2 2 2	0	
	Robustness of Terminations	<input checked="" type="checkbox"/>	IEC 60068-2-21	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	3 3 3 3 2 2 2 2 2 2 2 2 2 2	0	

	Climatic test Sequence	<input checked="" type="checkbox"/>	ESCC 4001, Para 8.10	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	3 3 3 3 3 2 2 2 2 2 2 2 2 2	0	
	Seal Test	<input type="checkbox"/>	IEC 60068-2-17				NA
	Resistance to Soldering Heat	<input checked="" type="checkbox"/>	IEC 60068-2-20	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	3 3 3 3 3 2 2 2 2 2 2 2 2 2	0	
	Mounting	<input checked="" type="checkbox"/>	IEC 60115-1 clause 4.31	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	3 3 3 3 3 2 2 2 2 2 2 2 2 2		
	Climatic test Sequence	<input checked="" type="checkbox"/>	ESCC 4001, Para 8.10	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	3 3 3 3 3 2 2 2 2 2 2 2 2 2	0	
	Seal Test	<input type="checkbox"/>	IEC 60068-2-17				NA
	Mounting	<input type="checkbox"/>	IEC 60115-1 clause 4.31				NA
	Insulation Resistance	<input checked="" type="checkbox"/>	ESCC 4001, Para 8.3.1.2	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	3 3 3 3 3 2 2 2 2 2 2 2 2 2	0	
	Voltage Proof	<input checked="" type="checkbox"/>	ESCC 4001, Para 8.3.1.3	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	3 3 3 3 3 2 2 2 2 2 2 2 2 2	0	
	Mounting	<input checked="" type="checkbox"/>	IEC 60115-1 clause 4.31	2311 2428 2424 2424 2434	3 3 3 3 3		
	Operating Life	<input checked="" type="checkbox"/>	ESCC 4001, Para 8.13	2311 2428 2424 2424 2434	15 15 15 15 15	-	See also FR data in periodic testing (See below and box 14)
	Seal Test	<input type="checkbox"/>	IEC 60068-2-17				NA
	Endurance Subgroup						

Assembly Capability Subgroup	Solderability	<input checked="" type="checkbox"/>	IEC 60068-2-20	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	6 6 6 6 6 2 2 2 2 2 2 2 2 2	0	
	Permanence of marking	<input type="checkbox"/>	ESCC 24800				NA
Failure Rate Subgroup	Operating Life 8 000 h	<input checked="" type="checkbox"/>	ESCC 4001, Para 8.13			0	5,60 M components.hours
	Seal Test	<input type="checkbox"/>	IEC 60068-2-17				NA
Additional Tests	Temperature Coefficient	<input checked="" type="checkbox"/>	ESCC 4001, Para 8.3.3	2311 2428 2424 2424 2434 2344 2340 2326 2405 2406 2405 2446 2446 2444	6 6 6 6 5 5 5 5 5 5 5 5 5 5	0	
		<input type="checkbox"/>					

