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	300	Executive Member:	ESA	S, HEATERS, FI	LEXIBLE, SI	Date: 06/01/20		Appl. No. 330
Components (including	g series and families) su	ibmitted for Qualificat	ion Approva					1_
ESCC COMPONENT, NO.	VARIANTS	RANGE OF CO	OMPONENT		ASED ON	TEST VEHICLE / S		PONENT
4009034XXRYYYY	01 thru 48	as per specification	and PID, R	уууу -		Variants 01 and 34	All other va	ariants
Component Ma IRCA, RICA Division	nufacturer 2	Location of Via Podgora 26 31029 Vittorio Vene		-	Gene Issue Detai	5 l/s: ESCC 4009/0		on 4
Qualification Report R		*	5_	PID used for m	······································	g Qualification Lot		6
Date: 16/09/20				Ref No: Issue: Date:	5.34.16 20 27/07/2011	1		
PID changes since sta	ort of qualification	7	Current P	ID Verified by	ESA			8
None			2.00			e of Executive Represent	lative	
	(* Details not published,	provided in	Ref No:		5.34.1 22	16		
Major* ⊠	confidential annex 2.)		Date		1750 A	1/2014		
Current Manufacturing	facilities surveyed by:		1		post in the second			9
	ESA		23/10/20	13				
(Name of Executive Ri RIC-AUD-2013	esponsible)		(Date)					
Report Ref	erence							
Satisfactory:	Yes ⊠	No 🗆 Ex	kplain					
Quality and Reliability Evaluation testing perf		No 🖸		Failure ana available	lysis, DPA, I	NCCS Yes	□ No	10 ⊠
Report Ref. No.: (L	Inreferenced) RICA MER	MO Date: 01/0	1/2014	(supply date	a)			
Equivalent Data:	N/A							
Certification:								
				Ref Nos. an	nd purpose:			



Component Title:

RESISTORS, HEATERS, FLEXIBLE, SINGLE AND DOUBLE LAYER

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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 13, that the reports and data are available at the ESCC Executive and therefore applies for ESCC qualification status to be given to the component(s) listed herein.

Date:

26/01/2015

(Signature of the Executive Coordinator)

Continuation of Boxes above: (Only non-confidential comments)

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From box6: The PID of RICA has been approved soince 1992 for 4009/002 product. The differences in product configuration and production controls between 4009/002 and 4009/004 product have been addressed and approved by ESA once the evaluation tests were completed and in parallel with the progress of the qualification activities. The final version of the PID, rev. 16, accounts for the specifics of both 4009/002 and 4009/004 product.

ESCC

APPLICATION FOR ESCC QUALIFICATION APPROVAL

Component Title:

RESISTORS, HEATERS, FLEXIBLE, SINGLE AND DOUBLE LAYER

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No.:	Specification	Paragraph	Non compliance	***************************************
1	4009/004		The specification was still in draft form when the qualification samples were manufactured and test	ted
2	20100	6.2	The manufacture and test of the qualification samples predated the actual final revision of the Fup to its valid rev. 22	PID
Additiona		e for ESCC qualification or rationale for accep	ptability of	14
Executive	e Manager Disposition			15
	on Approvat: Yes 🛘 No Remarks:			
			lo	



Component Title: RESISTORS, HEATERS, FLEXIBLE, SINGLE AND DOUBLE LAYER

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ANNEX 1: LIST OF TESTS DONE TO SUPPORT QUALIFICATION

Tests conducted in compliance with:

ESCC 4009 generic specification; Chart F4 (for ESCC/QPL parts);
Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description

400900434R2406, d.c. 1411A	
400900401R2407, d.c. 1411A	

Detail Specification reference:

ESCC 4009/004

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Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	N° af Rejects	Comments if not performed. Comments on Rejection
anical	Robustness of Terminations	ĸ	IEC 60068-2-21	1411A	7+7	a	
Environmental/ Mechanical Subgroup	Climatic Sequence	Ø	ESCC 4009, Para. 8,7	1411A	7+7	o	
Environ	External Visual Inspection	Ø	ESCC 20500	1411A	7+7	0	
ep d	Operating Life	⊠	ESCC 4009, Para. 8.8	1411A	13+7	D	***************************************
Endurance Subgroup	External Visual Inspection	⊠	ESCC 20500	1411A	13+7	0	
Su	Permanence of marking	×	ESCC 24800	1411A	13+7	0	OS - S - S - S - S - S - S - S - S - S -
-	Additional Life	EX.	2000h, glued to Al plate	1411A	5	0	
Additional	External Visual inspection	Ø	ESCC 2054009	1411A	5	0	
Adc	Electrical measurements at Room temperature	M	ESCC 4009	1411A	5	0	



RESISTORS, HEATERS, FLEXIBLE, SINGLE AND DOUBLE LAYER Component Title:

Executive Member. ESA Date: 06/01/2015 Appl. No. 330

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NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION APPROVAL

ENTRIES

Form Heading shall indicate:—the title of the component as given in its detail specification or the name of the series or family; — the entering

date; - the serial number and the suffix of the form.

Box 1 shall provide details given in table; in particular there shall be listed - the variants or range of variants; the range of components

by using the ESCC code for values tolerances, etc.; the designation given in detail specification as 'based on'; -- under Test Vehicle enter either a cross or the specific characteristic capable to identify the component tested; — under component similar

enter a cross

Box 2 and 3 Manufacturer's name and location of plant where the components were manufactured and tested.

Box 4 Generic and detail specifications used during qualification program.

Reference to test report(s) submitted in support of application.

Box 6 Enter details to identify the PID that was applicable at the time the qualification lot was manufactured.

Box 7 If the PID was evolved after qualification lot manufacture, adequate details of such evolution shall be provided together with

reasons for changes. Major changes shall be clearly marked.

Box 8 The box serves to identify the current PID and the Executive Representative that has verified it together with the date of this

occurrence

Box 9 This box can be completed only after a physical visit to the plant to confirm that the practices, procedures, materials, 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.

Details entered shall be sufficient to evidence that an evaluation program according to ESCC Basic Specification No. 22600 Box 10

has been performed and that the results thereof are summarized in the survey and test reports. If the evaluation program has not been carried out according to established ESCC documents, the applicant Executive Representative shall provide

alternative data and declare its assessed degree of satisfactory compliance with the ESCC basic requirements. Reference shall be made to the reports on Destructive Physical Analysis (DPA), Failure Analysis and Non conformance (NCCS) issued during

the Evaluation and/or Qualification Phase.

Box 11 Enter the name of the Executive Coordinator and the signature

To be used when there is a need to expand any of the boxes from 1 through 10. Identify box affected and reference the Box 12 in the relevant Box. Box 12 can be broken into 12a, 12b, etc. if several Boxes have to be expanded. Box 12

Box 13 Fill table as requested.

Box 14 Fill in any additional tasks required to achieve full compliance.

Box 15 All Executive recommendations on the application itself, special conditions or restrictions, modifications of the QPL or ESCC

QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 15, signed by the ESA Representative.

Box 16 Fill in Table as requested

Box 17 Confidential details of PID changes shall be provided.

Box 18 State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 18 each

nonconformance shall be sequentially numbered. If relevant state 'None

Any additional action deemed necessary by the Executive Representative 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 nonconformance. Box 19

Box 20 Additional Comments