



DOCUMENT CHANGE REQUEST

DCR number	105	Changes required for: Qualification	Originator: BUSSENOT Jean-Paul
Date: 2004/02/23		Date sent: 2004/02/23	Organisation: CNES
Status: IMPLEMENTED			

Title:	Capacitors Fixed Chips Ceramic Dielectric Type I, based on type 0805		
Number:	3009/003	Issue:	1
Other documents affected:			
3009/004-1, 3009/005-1, 3009/006-1, 3009/022-1			
Page:			
Table 1(a), page 6.			
Paragraph:			
Table 1(a), page 6.			
Original wording:			
Proposed wording:			
For ESCC 3009/003 specification, Table 1(a), for rated voltage 100V, change 1000pF value for 1500pF value. For ESCC 3009/004 specification, Table 1(a), for rated voltage 100V, change 5600pF and 5620pF values for 6800pF value. For ESCC 3009/005 specification, Table 1(a), for rated voltage 100V, change 10000pF value for 15000pF value. For ESCC 3009/006 specification, Table 1(a), for rated voltage 100V, change 22000pF and 22600pF values for 33000pF value. For ESCC 3009/022 specification, Table 1(a), for rated voltage 100V, change 1500pF and 1540pF values for 3900pF value.			
Justification:			
Extension of type I ranges for AVX/TPC qualification exercise.			

Attachments:
105AVX_TYPE_I.pdf, null
Modifications:
N/A
Approval signature:

Date signed:
2004-02-23



DOCUMENT CHANGE REQUEST

DCR Class

TO BE COMPLETED BY ORIGINATOR

Change request No.

Originator **J.P. BUSSENOT** (1)

Originator signature (2)

Affiliation **CNES**Date: **23 /02/04**Page 1 of [**1**] (3)

DOCUMENT AFFECTED

Other documents affected (8)

Doc. No. (4)
3009/003Status (5)
Issue 1Title **Capacitors, Fixed, chips, (6)
Ceramic Dielectric Type I,
Based On Type 0805****3009/004
3009/005
3009/006
3009/022**

Paragraph(s) and page(s) affected (7)

Table 1(a), page 6 (See Appendix)

PROPOSED WORDING OF CHANGE

(9)

For ESCC 3009/003 specification, Table 1(a), for rated voltage 100V, change 1000pF value for 1500pF value.
For ESCC 3009/004, 100V, change 5600E5620 for 6800.
For ESCC 3009/005, 100V, change 10000 for 15000.
For ESCC 3009/006, 100V, change 22000E22600 for 33000.
For ESCC 3009/022, change 1500E1540 for 3900.

Continuation sheet(s) attached
☐ Yes ☒ No

JUSTIFICATION

(10)

Extension of type I ranges for AVX/TPC qualification exercise.

Continuation sheet(s) attached
☐ Yes ☒ No

Changes required for:

Procurement (project) ☐Qualification ☒MRB decision ☐General Improvement of Spec. ☐Other ☐

(11)

RESERVED FOR USE BY THE ESCC EXECUTIVE SECRETARIAT

Date of registration:

Order of Priority for Appr. / Impl.:

1 (high) ☐ 2 (medium) ☐ 3 (low) ☐Attachments: ☐

Qualification Status:

Qualified ☐ In process of qualification ☐ N/A ☐

RESERVED FOR USE BY APPROVING AUTHORITY

Approved

☐ Yes ☐ NoPriority ☐

Signature

Role

Date

Reference to SCSB / PSWG decision

Approved wording if different from box 9 or reason for rejection

Continuation sheet(s) attached
☐ Yes ☐ No

 	ESA/SCC Detail Specification No. 3009/003	Rev. 'B'	PAGE 6 ISSUE 6
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TABLE 1(a) - RANGE OF COMPONENTS

CAPACITANCE RANGE (pF)	TOLERANCE (±)		VALUES SERIES	RATED VOLTAGE (U _R) (V)
	%	pF		
1.0 to 9.1	-	0.25	E 24	100
10 to 1000	1.0	-	E 96	100
10 to 1000	2.0	-	E 48	100
10 to 1000	5.0	-	E 24	100
1.0 to 9.1	-	0.5	E 12	100
10 to 1000	10	-	E 12	100
1.0 to 9.1	-	0.25	E 24	50
10 to 1500	1.0	-	E 96	50
10 to 1540	2.0	-	E 48	50
10 to 1500	5.0	-	E 24	50
1.0 to 9.1	-	0.5	E 12	50
10 to 1500	10	-	E 12	50
10 to 1500	1.0	-	E 96	25
10 to 1540	2.0	-	E 48	25
10 to 1500	5.0	-	E 24	25
10 to 1500	10	-	E 12	25

NOTES

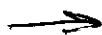
1. As specified in Para. 4.4.1 and Figure 2, these ranges are available in 6 variants.

 SCC	ESA/SCC Detail Specification No. 3009/004	Rev. 'C'	PAGE 6 ISSUE 6
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TABLE 1(a) - RANGE OF COMPONENTS

CAPACITANCE RANGE (pF)	TOLERANCE (±) (%)	VALUES SERIES	RATED VOLTAGE (U _R) (V)
10 to 5620	1.0	E 96	100
10 to 5620	2.0	E 48	100
10 to 5600	5.0	E 24	100
10 to 5600	10	E 12	100
10 to 10000	1.0	E 96	50
10 to 10000	2.0	E 48	50
10 to 10000	5.0	E 24	50
10 to 10000	10	E 12	50
10 to 10000	1.0	E 96	25
10 to 10000	2.0	E 48	25
10 to 10000	5.0	E 24	25
10 to 10000	10	E 12	25

6800
 6800
 6800
 6800



NOTES

- As specified in Para. 4.4.1 and Figure 2, these ranges are available in 6 variants.

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TABLE 1(a) - RANGE OF COMPONENTS

CAPACITANCE RANGE (pF)	TOLERANCE ($\pm$) (%)	VALUES SERIES	RATED VOLTAGE (U_R) (V)
100 to 10000	1.0	E 96	100
100 to 10000	2.0	E 48	100
100 to 10000	5.0	E 24	100
100 to 10000	10	E 12	100
100 to 18200	1.0	E 96	50
100 to 18700	2.0	E 48	50
100 to 18000	5.0	E 24	50
100 to 18000	10	E 12	50
100 to 18200	1.0	E 96	25
100 to 18700	2.0	E 48	25
100 to 18000	5.0	E 24	25
100 to 18000	10	E 12	25

NOTES

1. As specified in Para. 4.4.1 and Figure 2, these ranges are available in 6 variants.

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TABLE 1(a) - RANGE OF COMPONENTS

CAPACITANCE RANGE (pF)	TOLERANCE (±) (%)	VALUES SERIES	RATED VOLTAGE (U _R) (V)
464 to 22600	1.0	E 96	100
464 to 22600	2.0	E 48	100
470 to 22000	5.0	E 24	100
470 to 22000	10	E 12	100
464 to 39200	1.0	E 96	50
464 to 40200	2.0	E 48	50
470 to 39000	5.0	E 24	50
470 to 39000	10	E 12	50
464 to 39200	1.0	E 96	25
464 to 40200	2.0	E 48	25
470 to 39000	5.0	E 24	25
470 to 39000	10	E 12	25

NOTES

- As specified in Para. 4.4.1 and Figure 2, these ranges are available in 6 variants.

→ 33000

**SCC**ESA/SCC Detail Specification
No. 3009/022

Rev. 'B'

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TABLE 1(a) - RANGE OF COMPONENTS

CAPACITANCE RANGE (pF)	TOLERANCE ($\pm$) (%)	VALUES SERIES	RATED VOLTAGE (U_R) (V)
10 to 1500	1.0	E 96	100
10 to 1540	2.0	E 48	100
10 to 1580	5.0	E 24	100
10 to 1500	10	E 12	100
10 to 3920	1.0	E 96	50
10 to 4020	2.0	E 48	50
10 to 3900	5.0	E 24	50
10 to 3900	10	E 12	50
10 to 3920	1.0	E 96	25
10 to 4020	2.0	E 48	25
10 to 3900	5.0	E 24	25
10 to 3900	10	E 12	25

NOTES

1. As specified in Para. 4.4.1 and Figure 2, these ranges are available in 6 variants.