DOCUMENT CHANGE REQUEST

DCR number 308	Changes required for: Qualification	Originator: Philippe Baviere
Date: 2006/12/12	Date sent: 2006/12/12	Organisation: CNES
Status: IMPLEMENTED		

Title:	Power Inductors,Moulded, SMD, based on Series SESI		
Number:	3201/009	Issue:	4

Other documents affected:

Page:

Table 1(a), Figure 2 and Figure 3

Paragraph:

Table 1(a), Figure 2 and Figure 3

Original wording:

Proposed wording:

See in the attachment

Justification:

Addition of the series 22

Attachments:

308att.pdf, null

Modifications:

The following additional changes and corrections are included in this DCR:

A - Table 1(a) Range of Components
The header row of the Table should be equivalent as for the current Variant 01 to 05 ranges (including column numbers & parameter symbols).

B - Figure 2 Physical Dimensions for new Variant 06.
Amend specific limits to be as follows (based on Microspire SESI22WR datasheet & current variant 04 dimensions)(other dimensions A, B, C, are as specified in DCR308):
Dim F: 34.4mm min / 35.3mm max (was: 35.3mm max only)
Dim G: 3.7mm min / 3.9mm max (was: unspecified)
Dim H: 1.9mm min / 2.1mm max (was: 0.45mm max only)

Dim I: 1.3mm min / 1.6mm max (was: 2.1mm max only)
Dim J: 0.2mm min only (was: unspecified)

C - Figure 3
Title is unchanged for this DCR308.

D - Para 4.5.3 Marking of Electrical Characteristics
Amend example of marking to be "4L7M" with tolerance "(+/-20%)"
[was "4L7K" with "(+/-10%)" which is not a valid device]

E - Para 4.5.3.1 Numerical Values
Delete the following obsolete codes from table:
0.0XX; L0XX
0.XX; LXX

F- Para 4.5.3.2 Tolerances
Delete the following obsolete codes from table:
2.0%; G
5.0%; J

Justification:
A & C - For clarification
B - To be consistent with the Microspire datasheet SESI22WR plus existing variants in 3201/009. The proposed dimensions F to J in DCR309 were incorrect.
D, E, & F - To delete obsolete & incorrect references.
Note: There is no need to maintain any arbitrary "standard format". Any inconsistency or obsolescence should be removed to prevent any confusion.
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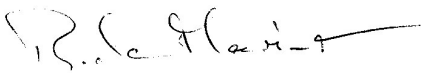
Approval signature:



Date signed:

2006-12-12

DCR SESI 22

1- In Table 1(a) Type Variants, add new variant

Variant	Type	Figure	Terminal Finish	Weight
06	SESI 22	2(b)	SnPb	26

Add the following table :

RANGE OF COMPONENTS - SESI 22 SERIES (Variant 06)

Inductance µH	Tolerance ±%	Rated DC Current A	Inductance at I_R (Note 2) µH	Peak Current (Note 3) A	Max DC Resistance mΩ
7	20	18.9	3.8	24	5
7.7	20	16	5.4	20	4.5
10	20	13.8	7	17.7	5.5
13	20	12	9.1	15.6	7
19.2	20	10.9	11.5	14	11
24	20	8.4	16.8	11.5	13
33	20	7.7	23	9.8	20
47	10	5.7	37.6	8	16
64	10	5	51.2	7	21
82	10	4.3	65.6	6.1	24
100	10	3.9	80	5.5	30
150	10	3.2	120	4.7	44
210	10	2.7	168	3.8	70
340	10	2.1	272	3	120
470	10	1.8	376	2.5	180
680	10	1.5	544	2.1	220
820	10	1.4	656	2	300
1000	10	1.2	800	1.8	330
1500	10	1.1	1200	1.4	500
2200	10	0.8	1760	1.2	760

2- Figure 2

Change title of Fig 2(b) to read "Variants 03, 04 and 06

Add in the table :

SYMBOL	Variant 06	
	MIN	MAX
A	30.4	31.2
B		23.5
C		12.2
D		
E		
F		35.3
G		
H		0.45
I		2.1
J		

3- Figure 3

Change title of Fig 3(b) to read "Variants 03, 04 and 06"
(See DCR N° 284)