DOCUMENT CHANGE REQUEST

DCR number 293	Changes required for: N/A	Originator: Petra Schumacher
Date: 2006/10/16	Date sent: 2006/10/16	Organisation: DLR
Status: IMPLEMENTED		

Title:	Resistors, Fixed, Surface Mount Film, Non-Hermetically Sealed, Based on Type MS1		
Number:	4001/022	Issue:	1

Other documents affected:

Page:

Para. 4.5.2, page 10 and Table 1(a), page 6

Paragraph:

Para. 4.5.2, page 10 and Table 1(a), page 6

Original wording:

Proposed wording:

Table 1(a) shall be replaced by the table attached.
Para.4.5: Variant -01 is mandatory

Justification:

Table 1(a):
a. The minimum resistance value available in the range indicated by row 3 in E96 is 2.21 ohms and not 2.2 ohms! If a 2.2 ohm resistor is required it needs to be selected and is formally not covered by qualification.
b. Deletion of numbering of the rows in this table , as it causes always confusion, because some interpret this not as a row but as a variant number. However the manufacturer never delivered other "variants" than -01. Even if ordered, the CoC will refer to -01. So it is recommended to add to the title of the column "Variant" (Variant No.), keep -01 as variant and delete the row
The part numbering is unique, even without these row numbers, e.g.
the available resistance range for 1% resistors with TK50 is 2.21ohms to 5.11Mohms, while the range for 0.1% and TK50 resistors is 43.2Ohm to 1Mohm.
Para. 4.5.2 just to harmonise with table 1(a)

The modifications have been already discussed with the manufacturer.

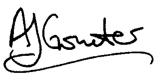
Attachments:
ESCC4001022_table1modified.pdf, null
Modifications:
Do not include the a Variant number column Table 1(a) (as proposed in the DCR) nor to add an additional note to para 4.5.
Approval signature:

Date signed:
2006-10-16

TABLE 1(a) - RANGE OF COMPONENTS

VARIANT No.	Resistance Range (Note 1)		Tolerance (±%)	Value Series	Temperature Coefficient (±10⁻⁶/°C)
	MIN. (Ω)	MAX. (MΩ)			
- 01	43.2	1.0	0.1	E96	50
~~02~~	10.0	1.0	0.5	E96	50
03	2.21	5.11	1.0	E96	50
04	43.2	1.0	0.1	E96	25
05	10.0	1.0	0.5	E96	25
06	10.0	1.0	1.0	E96	25
07	43.2	0.221	0.1	E96	15
~~08~~	10.0	0.511	0.5	E96	15

delete

NOTES

1. Critical resistance = 160 000Ω