



DOCUMENT CHANGE REQUEST

DCR number 803 Changes required for: General

Date: 2013/06/13

Date sent: 2013/05/29

Originator: Steve Thacker

Organisation: ESCC Executive
Secretariat

Status: IMPLEMENTED

Title: Thermistors (thermally Sensitive Resistors) Range 2000 to 100000 Ohms at +25C with a

Number: 4006/014

Issue: 8

Other documents affected:

Page:

See change details below

Paragraph:

See change details below

Original wording:

See 4006/014 issue 8

Proposed wording:

Specification is amended to add new Variant 14 for MEAS Ireland type G10K4D451.

The following specific changes apply:

1) Front Page Based On Type & Para 1.1
Add G10K4D451

2) Table 1(a)
Add Variant 14 to table as a new row with the following details.
Variant 14

Based on type : G10K4D451

Resistance & Tolerance:

-60C : 847284 ohm, Tol: +/- 6%
-40C : 239768 ohm, Tol: +/- 3%
-20C : 78930 ohm, Tol: +/- 1.3%
0C : 29490 ohm, Tol: +/- 0.93%
+25C : 10000 ohm, Tol: +/- 0.8%
+50C : 3893 ohm, Tol: +/- 0.8%
+70C : 1990 ohm, Tol: +/- 0.79%
+100C : 817.2 ohm, Tol: +/- 1.5%
+125C : 426.0 ohm, Tol: +/- 2.5%
+140C : 298.12 ohm, Tol: +/- 3%



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+160C : 191.77 ohm, Tol: +/- 3%

Note 3 applies for lead material column

3) Table 1(b) Note 3

Add variant 14 to -60C list

i.e. Variants 08, 09, 13, 14

4) Figure 2

Add Variant 14 to the Variant 09 column

i.e. Variants 09, 14

5) Table 2 Thermal Time Constant

Add Variant 14 to the max 40 sec line

i.e. Variants 09, 10, 11, 12, 14

6) Appendix A Deviations to Para. 4.2.2, Para. 4.2.3, Para. 4.2.4, Para. 4.2.5

Add variant 14 to list of variants for all deviations.

i.e.

list is amended in all places to be: Variants 08, 09, 10, 11, 12, 13, 14

Justification:

As provided by MEAS Ireland:

G10K4D451 is a tighter tolerance version of G10K4D453. Some of our customers are now asking us to supply G10K4D451 instead of G10K4D453. G10K4D453 has been ESCC qualified since 2008. In the future, we plan to qualify G10K4D451

Attachments:

N/A

Modifications:

N/A

Approval signature:

Date signed:

2013-06-13