DOCUMENT CHANGE REQUEST

DCR number 398	Changes required for: General	Originator: Alexander Kovach
Date: 2008/03/26	Date sent: 2008/03/26	Organisation: DLR
Status: IMPLEMENTED		

Title:	Crystal Units in Metal Holder, based on type T1507, Frequency Range 2.5-20MHz (follow-up		
Number:	3501/009	Issue:	2

Other documents affected:

Page:

Page 31
TABLE 1(a) - Type Variant Detail Information
Type Variant No. 09

No.6 - Frequency adjustment tolerance
No.8 - Frequency variation with temperature over Top

Paragraph:

Page 31
TABLE 1(a) - Type Variant Detail Information
Type Variant No. 09

No.6 - Frequency adjustment tolerance
No.8 - Frequency variation with temperature over Top

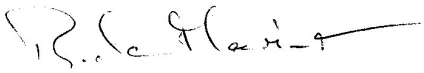
Original wording:

Proposed wording:

No.6 - Frequency adjustment tolerance -
Min. value -15 ppm
Max. value +15 ppm

Justification:

If the frequency variation with tempereture over Top is correct, as we assumed:
(+/-500ppm from -20°C to 70°C,
+/-1000ppm from -20°c to 80°C),
then there is no point of having frequency adjustment tolerance set on +/-2ppm at To°C. It should be increased.

Attachments:
N/A
Modifications:
Page 31 Table 1(a) for Variant No. 09 a) No.6, Frequency Adjustment Tolerance; min & max limits amended to be : -/+5 x 10(-6) [was -/+2 x 10(-6)] b) No.8, Frequency Variation with Temperature over Top; units amended to be 10(-6) [was 10(-4)] Justification amended to be: a) Manufacturer, KVG, proposes the increase to the Frequency Adjustment Tolerance in order to match the performance capability of their standard version of this variant. KVG consider +/-2ppm to be too tight a limit for this crystal design. b) Correction of a typographic error.
Approval signature:

Date signed:
2008-03-26