



DOCUMENT CHANGE REQUEST

DCR number 1119 Changes required for: General
Date: 2018/02/22 Date sent: 2017/10/05
Status: IMPLEMENTED

Originator: Steve Thacker
Organisation: ESCC Executive Secretariat

Title: Evaluation Test Programme for Capacitors Fixed

Number: 2263000 Issue: 4

Other documents affected:

2263420-2, 2269000-6, 23201-2, 23202-2, 2566000-2

Page:

as applicable

Paragraph:

as below

Original wording:

as per current spec issue

Proposed wording:

Change the pressure applicable to vacuum testing to be consistent with that specified in ECSS-E-ST-10-03C Paras 5.5.4.2b (and ECSS-Q-ST-70-02C)

i.e. change specified test pressure to be ≤ 1 mPa in the ECSS specifications as listed below:

The following ESCC specifications currently specify a vacuum pressure test level lower than the ECSS vacuum pressure limit of ≤ 1 mPa:

ESCC 23201, Para. 6.4.2.4.5: below 10^{-6} torr (= 0.13mPa)
ESCC 23202, Para. 9.23: $\leq 10^{-6}$ torr (= 0.13mPa)
ESCC 2263000, Para. 7.3.4.4(b): 1×10^{-6} mm Hg (+/-10%) (= 0.13mPa)
ESCC 3420, Para. 7.5.9: 10microPa (= 0.01mPa)
ESCC 2269000, Para. 8.3.5.3.2(b)(ii): 10^{-5} Pa (= 0.01mPa)
ESCC 2566000, Table 2-6 & 4-6: 10^{-5} Pa (= 0.01mPa)

Justification:

The currently specified vacuum pressure is considered as overly severe. The vacuum pressure of ≤ 1 mPa as applied in ECSS-E-ST-10-03C is also considered appropriate to component level testing.

Attachments:

N/A

Modifications:

in the text "3420" to read 2263420

Approval signature:



Date signed:

2018-02-22