DOCUMENT CHANGE REQUEST

DCR number 1720	Changes required for: General	Originator: Steve Thacker
Date: 2025/04/07	Date sent: 2025/02/04	Organisation: ESCC Executive Secretariat
Status: IMPLEMENTED		

Title:	Thermistors (thermally Sensitive Resistors) Range 2000 to 100000 Ohms at +25C with a		
Number:	4006/014	Issue:	10

Other documents affected:

Page:

13

Paragraph:

Appendix A

Original wording:

As per current issue 10

Proposed wording:

Add new "Additional Data" section to Appendix A to inform of the capability of this component to tolerate excessive power (see yellow highlights for change details)
i.e.:
....
ADDITIONAL DATA - TE CONNECTIVITY MEAS (BETATHERM) (IRL)
(a) Maximum Ratings
Application of any power level above the specified PD = 2mw maximum rating (see Para. 1.5) is classed as destructive. Nevertheless, these components are able to tolerate applied power levels in the order of up to 200mW.
For an intended application that requires accurate assessment of the component's tolerance to excessive power levels, evaluation testing is required to be performed under conditions that closely simulate the thermal environment of the application.
.....

Note: Several additional editorial changes are included in this DCR for the purposes of clarification & consistency with current ESCC Detail Spec format/contents; see blue highlights in the attached spec mark-up for details
e.g.
Add hyperlinks to ESCC spec references & internal paragraph cross-references.

Spec title is amended.

Para 1.2: delete irrelevant applicable documents (i.e. MIL-STD-202)

Para. 1.3: Delete "RZ"

DOCUMENT CHANGE REQUEST

DCR number	1720	Changes required for: General	Originator: Steve Thacker
Date: 2025/04/07		Date sent: 2025/02/04	Organisation: ESCC Executive Secretariat
Status: IMPLEMENTED			

Para. 1.5: clarify Operating Temperature Range details

Appendix A:
- reformat the 'Agreed Deviations' table.
- Correct the Manufacturer's name
- Correct the deviation on Thermal shock (i.e. delete reference to Para 8.3.2 & change to ref. Para 2.6 (not 2.5))
- Clarify the Para. 2.9 Operating Life test conditions (i.e. the burn-in deviation does not apply to Operating Life)
- Add the missing deviation to the Chart F3 Check For Lot Failure

Justification:

This DCR (to add the new information on Max Rating in Appendix A) is raised at the request of ESA

Attachments:

escc4006014iss11_draft_a_in_review.docx

Modifications:

N/A

Approval signature:

Date signed:

2025-04-07