



## DOCUMENT CHANGE REQUEST

DCR number            1147            Changes required for: Qualification  
Date: 2018/07/04            Date sent: 2018/01/25  
Status: IMPLEMENTED

Originator: Steve Jeffery  
Organisation: ESCC Executive

Title: Load RF Coaxial Type SMA, DC-22GHz

Number: 3403/006            Issue: 4

Other documents affected:

Page:

Various, as shown in the attachment.

Paragraph:

Various, as shown in the attachment.

Original wording:

See the relevant pages and paragraphs of ESCC 3403/006 Issue 4.

Proposed wording:

As highlighted in the attached MSWord file ESCC3403006Draft5C.doc

Justification:

This DCR is raised on behalf of the ESCC QPL- and EPPL-listed manufacturer Radiall to modify the specification based on their re-design (improved performance) of the loads defined in this specification; Also to incorporate two new Variants - SMA Male Loads (which are different to the existing SMA Male Load).

Attachments:

esc3403006draft5c.docx, esc3403006draft5d\_all\_changes\_shown.docx

Modifications:

Specification is acceptable with the following changes to ESCC 3403/006 Draft 5C:

Para. 1.4.1, The ESCC Component Number

- Example is amended from "340300501" to "340300503"
- Variant Number is amended from "02" to "03"

Para. 1.4.2's Table

- Re-allocation of Variant Numbers (i.e. "01" -> "03", "02" -> "04", "03" -> "05" and "04" -> "06")
- Where required, the Connector Type now includes a Body Type reference.
- Various editorial changes to the Description column (to change it to "Body Material and Finish" column).

- The VSWR Column is removed (because the VSWR conditions and limits are now specified in Para. 2.6.1).
- (See also Maximum Ratings changes below) New column "Maximum RF Power" added, using the information which was detailed in Para. 1.5.

Para. 1.5's Table

- New Note 1 reference added (the ratings of RF and DC Power are now part of Para. 1.4.2; existing Note references re-numbered accordingly).
- Coupling Nut Torque Characteristic: "Range" is added to the wording of the Characteristic.

Para. 1.5 Notes - New Note 1 added w.r.t. RF and DC Power Characteristics.

Para. 1.6 - Titles of Paras. 1.6.1 to 1.6.3 are amended (Body Type [where required] & Variant Numbers added).

Para. 1.7 - Variant Numbers are amended from "01 and 02" to "03 and 04", "03" to "05", and "04" to "06"

Para. 2.1.1.1 - Variant Numbers are amended from "01, 02 and 04" to "03, 04 and 06"

Para. 2.6.1's Table, Test Method and Conditions column, VSWR Characteristic - Frequency is amended from "0 to 22GHz" to "0 to 18GHz" and "18 to 22GHz".

Para. 2.6.1's Table, Limits column, VSWR Characteristic - Note 1 reference is removed and replaced with absolute VSWR limits. Para. 2.6.1 Note 1 also deleted.

Para. 2.8 Note 1 - Note re-worded as required, i.e. "Component Type Variants and Range of Components" is replaced by "Room Temperature Electrical Measurements"

Para. 2.10, Operating Life Conditions, Power Characteristic - Note 1 reference is removed and replaced with actual values for each Variant. Para. 2.10 Note 1 deleted.

Para. 2.10, Operating Life Conditions, Frequency Characteristic - Note reference is re-numbered accordingly.

Approval signature:



Date signed:

2018-07-04