



# DOCUMENT CHANGE REQUEST

DCR number	1268	Changes required for:	General	Originator:	Steve Thacker
Date:	2019/07/04	Date sent:	2019/05/14	Organisation:	ESCC Executive Secretariat
Status:	IMPLEMENTED				

Title: Diode, Power, Schottky Rectifier, Surface Mount Based on type STPS80A150, STPS60A150

Number: 5106/023 Issue: 1

Other documents affected:

Page:

see attachment: dcr\_escs\_stps80a150\_stps60a150.docx

Paragraph:

see attachment: dcr\_escs\_stps80a150\_stps60a150.docx

Original wording:

see 5106/023 issue 1

Proposed wording:

This DCR is raised to act as existing but implemented DCR1199:  
See here for the comments on DCR1199:  
<https://spacecomponents.org/documentreview/comments?id=1889>

Original changes per DCR1199 (as raised by ST/S.Savin 18/12/2018):

.....  
Added the Rth(jc) per diode and adjute the derating of temperature for the paragraph 1.5.  
Removed the paragraph 2.1.1.1.  
Change the unit for IR for the paragraph 2.3.2, mA and not A

Original Modifications per DCR1199 (as raised by TW/S.Jeffery 23/1/2019):

.....  
Further correspondence between ST (Samuel Savin) and the ESCC Technical Writer has resulted in satisfactory conclusions to the points mentioned in the initial email/Comment.

This DCR is therefore acceptable with the following Modifications to the existing DCR wording and content:

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- Correct typo in Para. 1.5 of the attached draft spec as follows: Rth(j-c) Per diode shall be 3.4 °C/W; Rth(j-c) Per device shall be 2.2 °C/W
  - In addition to deleting Para. 2.1.1.1 in toto, "None." shall be added to Para. 2.1.1.



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- New change item to correct an editorial error in Para. 2.7: TJ was +150(+0 -5)°C, shall be +175(+0 -5)°C

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Note: In relation to the removal of the Deviation from Chart F4 Terminal Strength test (i.e. Para. 2.1.1.1 (b) "Terminal Strength is not applicable"), a DCR has recently been raised against ESCC Generic Spec No. 5000 to make editorial changes to Para. 8.24 Terminal Strength. Therefore this specification should only be updated i.a.w. the content of this DCR once this related DCR has been accepted and closed-out

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### Justification:

#### Note:

This DCR is raised to act as existing DCR1199 that was marked as approved & implemented in error (the changes of DCR1199 were never actually implemented).

Accordingly, all the changes & modifications contained in DCR1199 are copied into this 'dummy' DCR.

#### Note:

This DCR is impacted by the related change to Generic spec ESCC 5000 covered in DCR1219; the changes in this 'dummy' DCR shall not be approved and implemented until DCR1219 is approved by the PSWG.

If DCR1219 is rejected or modified by the PSWG, this DCR should be withdrawn and a new DCR raised in line with the PSWG's decision.

### Attachments:

dcr\_escs\_stps80a150\_stps60a150.docx

### Modifications:

N/A

### Approval signature:

### Date signed:

2019-07-04