



DOCUMENT CHANGE REQUEST

DCR number	843	Changes required for:	General	Originator:	Aissa Nehdi
Date:	2014/11/17	Date sent:	2014/02/12	Organisation:	STMicroelectronics
Status:	IMPLEMENTED				

Title: Transistors High Power NPN, based on type 2N5154

Number: 5203/010 Issue: 5

Other documents affected:

5204/002-5

Page:

19

Paragraph:

2.9.1

Original wording:

2.9.1 Power Burn-in Conditions (TO-39)

Proposed wording:

2.9.1 Power Burn-in Conditions (TO-39, TO-257, SMD.5)

Justification:

to increase our capacity
components may be positioned on card with conditions (As per Maximum Ratings.
Derate Ptot1 at the chosen Tamb
using the specified Rth(j-a))

Instead of being on radiator.

Attachments:

N/A

Modifications:

The changes per this DCR are replaced by the following:

For ESCC 5203/010:

The following deviation shall be added to Appendix A, AGREED DEVIATIONS FOR STMICROELECTRONICS (F)

ITEMS AFFECTED:

Para. 2.9.2, Power Burn-in Conditions (TO-257 and SMD.5)

DESCRIPTION OF DEVIATIONS:

For TO-257 and SMD.5 packaged Variants 04 to 07, the following alternate Power Burn-in conditions may be applied:

- Ambient Temperature (T_{amb}): +20 to +50degC (Note 1)
- Power Dissipation (P_{tot}): As per Maximum Ratings. Derate P_{tot1} at the chosen T_{amb} using the specified $R_{th(j-a)}$ (W)
- Collector-Base Voltage (VCB): 20 to 40V
- Note 1: No heat sink nor forced air directly on the device shall be permitted.

For ESCC 5204/002:

The following deviation shall be added to Appendix A, AGREED DEVIATIONS FOR STMICROELECTRONICS (F)

ITEMS AFFECTED:

Para. 2.9.2, Power Burn-in Conditions (TO-257 and SMD.5)

DESCRIPTION OF DEVIATIONS:

For TO-257 and SMD.5 packaged Variants 04 to 07, the following alternate Power Burn-in conditions may be applied:

- Ambient Temperature (T_{amb}): +20 to +50degC (Note 1)
- Power Dissipation (P_{tot}): As per Maximum Ratings. Derate P_{tot1} at the chosen T_{amb} using the specified $R_{th(j-a)}$ (W)
- Collector-Base Voltage (VCB): -20 to -40V

Note 1: No heat sink nor forced air directly on the device shall be permitted.

Approval signature:

A handwritten signature in black ink, appearing to read "S. C. G. H. A. I. G.", written over a horizontal line.

Date signed:

2014-11-17