
Double channel high-side driver with CurrentSense analog feedback for automotive applications

Introduction

This errata sheet describes all the known functional and electrical limitations of the VND7E025AJ, VIPower high side driver family.

All the topics covered in this document refer to VND7E025AJ datasheet rev.1 (DocID030145).

1 Functional problems

1.1 Table 7. Switching ($V_{CC} = 13\text{ V}$; $-40\text{ °C} < T_j < 150\text{ °C}$) (page 10)

Description

$t_d(\text{on})$, $t_d(\text{off})$, $(dV_{OUT}/dt)_{\text{on}}$, $(dV_{OUT}/dt)_{\text{off}}$ parameters are very close to the min/max specification. It will be re-centered in the next silicon cut.

1.2 Table 9. Protections ($7\text{ V} < V_{CC} < 18\text{ V}$; $-40\text{ °C} < T_j < 150\text{ °C}$) (page 12)

Description

- I_{limH} misbehavior in case of overload / short circuit leads to thermal protection intervention before triggering current limit protection.
- I_{limH} test has been skipped
- Measurements of some parts show the device is able to turn on the maximum following load:
 - 27 W+5W (per channel)

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
10-Oct-2017	1	Initial release.

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