

## Automotive Process Change Notification

**Date:** July 23, 2014

**PCN Reference:** AU-14-AUIPS7081(R)(S), Change the lower specification limit for Ilim

**Product Reference:** AUIPS7081(R)(S), Intelligent Power Switch 1 Channel High Side Driver

### To Our Valued Customer:

We thank you for your use of International Rectifier (IR) semiconductor products. Our commitment to customer satisfaction and continuous improvement is demonstrated by our change plans to enhance capacity, quality and reliability. We would like to express our sincere appreciation for your cooperation regarding the following changes, and IR will work closely with you to support your requirements during this transition.

### Type of Change Notification:

- Change in dc specification

### Description of Change:

Datasheet: AUIPS7081(R)(S)PbF, March 26, 2012, Revision B

*From:*

#### Protection Characteristics

Tj=-40..150°C, Vcc=6..35V (unless otherwise specified), typical values are given for Vcc=14V and Tj=25°C

Symbol	Parameter	Min.	Typ.	Max.	Units	Test Conditions
Ilim	Internal current limit	5	9	13.5	A	Vout=0V, Tj=25°C
Tsd+	Over temperature high threshold	150 <sup>(1)</sup>	165	—	°C	See Fig. 2
Tsd-	Over temperature low threshold	—	158	—		
Vsc	Short-circuit detection voltage <sup>(2)</sup>	2	3	4	V	
Vopen load	Open load detection threshold	2	3	4		

Datasheet: AUIPS7081(R)(S), July, 17<sup>th</sup>, 2014, Revision E

*To:*

#### Protection Characteristics

Tj=-40..150°C, Vcc=6..35V (unless otherwise specified), typical values are given for Vcc=14V and Tj=25°C

Symbol	Parameter	Min.	Typ.	Max.	Units	Test Conditions
Ilim	Internal current limit	2	5	13.5	A	Vout=0V, Tj=25°C
Tsd+	Over temperature high threshold	150 <sup>(1)</sup>	165	—	°C	See Fig. 2
Tsd-	Over temperature low threshold	—	158	—		
Vsc	Short-circuit detection voltage <sup>(2)</sup>	2	3	4	V	
Vopen load	Open load detection threshold	2	3	4		

Change the lower specification limit for Ilim (Internal Current Limit) as described in the datasheet from 5A to 2A. The final test program will be changed to reflect the datasheet.

## Reason:

To better align datasheet specifications with manufacturing process targets, in order to prevent yield loss and missed delivery commitments.

## Effective Date:

July 31, 2014

## Part Numbers Affected:

AUIPS7081  
AUIPS7081R  
AUIPS7081S  
AUIPS7081STRL  
AUIPS7081RTRL

## Impact of Change:

The standard versions of this device, in the IPS7081 family, are of the same design and use the lower specification limit of 2A.

## Method of Identifying Changed Product:

Test program revision will not be distinguished through the external part marking or shipping labels; however, a date code transition will be available.

## Sample Availability:

Change in datasheet specification only.

## Contact Information:

CONTACT	NAME	PHONE	EMAIL
IPS Product Manager	David Jacquinod	+ 33 (0) 4 42 61 71 11	<a href="mailto:djacqui1@irf.com">djacqui1@irf.com</a>