



DATE: 19<sup>th</sup> November, 2018

PCN #: 2383

PCN Title: Metal Mask Change for DPS1133FIA-13, and Datasheet Revision Due to I<sub>Q</sub> (Quiescent Current) Specification Limits Change

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request within 30 days as well. Otherwise, samples may not be built prior to this change. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



**PRODUCT CHANGE NOTICE**

**PCN-2383 REV 1**

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
19 <sup>th</sup> November, 2018	19 <sup>th</sup> February, 2019	Discrete Semiconductors	Metal Mask and Specification Changes	<b>2383</b>

**TITLE**

Metal Mask Change for DPS1133FIA-13, and Datasheet Revision Due to I<sub>Q</sub> (Quiescent Current) Specification Limits Change

**DESCRIPTION OF CHANGE**

This PCN is being issued to notify customers that Diodes Incorporated is changing the metal mask to improve G<sub>IMON</sub> (IMON to OUT Current Gain) accuracy performance for DPS1133FIA-13. The I<sub>Q</sub> (Quiescent Current) Max and Typical values will also be adjusted as shown below.

Full electrical characterization and reliability testing has been completed to ensure that the affected device meets the new specification as indicated. Refer to the attached qualification / reliability report (embedded in this file). The description of the change is provided in the table below.

**Electrical Characteristics** @T<sub>A</sub> = 25°C unless otherwise specified

Part Number		Case	Packaging			
DPS1133FIA-13		QFN4040-17	4000/Tape & Reel			
Symbol	Parameter	Conditions	Min	Typ.	Max	Unit
I <sub>Q</sub>	Quiescent Current (Enabled) (D/S Original Version Rev.8-2)	V <sub>IN</sub> = 5V, No Load	—	1.2	1.6	mA
		V <sub>IN</sub> = 12V, No Load	—	1.4	1.8	
		V <sub>IN</sub> = 24V, No Load	—	1.9	2.3	
Symbol	Parameter	Conditions	Min	Typ.	Max	Unit
I <sub>Q</sub>	Quiescent Current (Enabled) (D/S New Version)	V <sub>IN</sub> = 5V, No Load	—	1.5	1.9	mA
		V <sub>IN</sub> = 12V, No Load	—	1.7	2.1	
		V <sub>IN</sub> = 24V, No Load	—	2.2	2.6	

**IMPACT**

Metal Mask Change. I<sub>Q</sub> (Quiescent Current) Max and Typical values are adjusted.

**PRODUCTS AFFECTED**

DPS1133FIA-13

**WEB LINKS**

<b>Manufacturer's Notice:</b>	<a href="https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/">https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/</a>
<b>For More Information Contact:</b>	<a href="http://www.diodes.com/contacts">http://www.diodes.com/contacts</a>
<b>Data Sheet:</b>	<a href="http://www.diodes.com/products">http://www.diodes.com/products</a>

**DISCLAIMER**

Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.