

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.		ADG/18/10828
1.3 Title of PCI		New datasheet Gate threshold voltage VGS(th)
1.4 Product Category		Power MOSFET
1.5 Issue date		2018-04-10

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Maurizio GIUDICE
2.1.2 Marketing Manager	Anna MOTTESE
2.1.3 Quality Manager	Vincenzo MILITANO

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Modification of datasheet :parameters/electrical specification (min./max./typ. values) and/or AC/DC specification	Shenzhen (China)

4. Description of change

	Old	New
4.1 Description	VGS(th) @ VDS = VGS, ID = 250 μ A: Min. 2V, Typ. 3V, Max. 4V	VGS(th) @ VDS = VGS, ID = 250 μ A: Min. 3.25V, Typ. 4V, Max. 4.75V
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	no impact	

5. Reason / motivation for change

5.1 Motivation	Improve Service to Customer
5.2 Customer Benefit	SERVICE IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	by will be identified by datasheet
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7. Timing / schedule

7.1 Date of qualification results	2018-04-03
7.2 Intended start of delivery	2018-04-30
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description		
8.2 Qualification report and qualification results	In progress	Issue Date

9. Attachments (additional documentations)

10828 Public product.pdf
10828 New datasheet Gate threshold voltage VGS(th).pdf

10. Affected parts

10. 1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
	STD11N60M2-EP	
	STD15N60M2-EP	
	STF11N60M2-EP	
	STF15N60M2-EP	
	STF25N60M2-EP	
	STL15N60M2-EP	
	STL25N60M2-EP	
	STP15N60M2-EP	
	STP25N60M2-EP	

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Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

PCI Title : New datasheet Gate threshold voltage VGS(th)

PCI Reference : ADG/18/10828

Subject : Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

STP25N60M2-EP	STD11N60M2-EP	STF25N60M2-EP
STD15N60M2-EP	STL25N60M2-EP	STL15N60M2-EP
STP15N60M2-EP	STF15N60M2-EP	STF11N60M2-EP
STW25N60M2-EP		



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Automotive and Discrete Group (ADG)
Power Transistor Division

CUSTOMER NOTIFICATION
HV Business Unit

New datasheet Gate threshold voltage $V_{GS(th)}$

Involved Products: [see involved product list](#)

Dear Customer,

Please be informed that we are going to modify the Gate threshold voltage $V_{GS(th)}$ of the involved product as per below table:

Symbol	Parameter	Test conditions	Min.	Typ.	Max.	Unit
Current	$V_{GS(th)}$	$V_{DS} = V_{GS}$, $I_D = 250 \mu A$	2	3	4	V
NEW	$V_{GS(th)}$	$V_{DS} = V_{GS}$, $I_D = 250 \mu A$	3.25	4	4.75	V

The Output characteristics, the Transfer characteristics and the Gate charge vs gate-source voltage curves change since strictly related to the new $V_{GS(th)}$ value.

There is no change on Front-end, Back-end, Materials and Equipment.

We will support you with previous production for 30 days from receipt of this notification letter.

Involved products

STB20N60M2-EP	STI20N60M2-EP
STD11N60M2-EP	STL11N60M2-EP
STD15N60M2-EP	STL15N60M2-EP
STF11N60M2-EP	STL20N60M2-EP
STF15N60M2-EP	STL25N60M2-EP
STF20N60M2-EP	STP15N60M2-EP
STF25N60M2-EP	STP20N60M2-EP
STFI11N60M2-EP	STP25N60M2-EP
STFI15N60M2-EP	STW20N60M2-EP
	STW25N60M2-EP

Sincerely Yours.