

Product Bulletin

Document # : PB22622Y Issue Date: 11 April 2018

Title of Change:	HPM1	HPM10 datasheet change: updated limits for the STEP DOWN CHARGE PUMP Division ratio.								
Effective date:	11 Ap	11 April 2019								
Contact information:	Conta	Contact your local ON Semiconductor Sales Office or < christophe.waelchli@onsemi.com								
Type of notification:		This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.								
Change Category:	□ w	☐ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☐ Other								
Change Sub-Category(s):				☐ Datasheet/Product Doc change ☐ Shipping/Packaging/Marking ☐ Other:						
Sites Affected:		ON Semiconductor Sites: ON Carmona, Philippines			External Foundry/Subcon Sites: None					
Description and Purpose:										
A modification of a test limit was done on a parameter of HPM10 (OPN: HPM10–W29A100G), and a new version of the HPM10 datasheet will be made available to reflect this change.										
Customers of HPM10 have asked us to tighten the specification of the output ratio of the STEP DOWN CHARGE PUMP (DIV3) as follow:										
Old limits (old datasheet):	1									
Description	Symbol	Conditions	Min	Тур	Max	Units	Sci	reened		
Supply to hearing aid	VHA	Relative to VBAT. Iload = 1 mA	0.31	0.33	0.35	VBAT	٧			
New limits (new datashee	t):								-	
Description	Symbol	Conditions	Min	Тур Мах		x Uni	its	Screened		
Supply to hearing aid	VHA	Relative to VBAT. Iload = 1 mA	0.326	0.331 0.336		36 VB/	ΑТ	٧		
The reason for this change is to have a more consistent VHA output voltage, which is critical for proper operation of product using HPM10 to prevent brownouts of chips that are supplied by HPM10, towards the battery end of life. After we have reviewed our manufacturing data and simulations of process variability, we have decided to tighten this specification and use a VHA to VBAT ratio of 0.326 to 0.336 for our manufacturing test limits.										
The new version of the datash	heet is Rev	7.7. It replaces Rev.6.								
Lot# Q01F121 (Nov 11th 2018) will be the first lot affected by this change.										

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List of Affected Part:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

HPM10-W29A100G

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ON Semiconductor®		
Appendix A: Changed Products		
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	D. Comp. D. Chiller	_

Product	Customer Part Number
HPM10-W29A100G	