

DATE: 01/07/2025

PCN #: 2709

PCN Title: Additional Wafer Source (GFAB), Die Revision, Data Sheet Change and Additional Bill of Materials (BOM)

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 notification by contacting your local Diodes sales representative. If you require samples for evaluation purposes, please submit a corresponding request within 30 days as well. Otherwise, samples may not be built prior to the implementation of the announced change(s).

The change(s) announced in this PCN will not be implemented prior to the target implementation date, i.e. 90 days from the stated notification date, unless Diodes receives written customer approval before that date.

Previously agreed upon customer specific product and/or process change 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-2709-REV1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
01/07/2025	04/07/2025	Analog	Additional Wafer Source, Die Revision, Data Sheet Change and Additional BOM	2709
TITLE				
Additional Wafer Source (GFAB), Die Revision, Data Sheet Change and Additional Bill of Materials (BOM)				
DESCRIPTION OF CHANGE				
This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes Incorporated has qualified additional internal wafer source (GFAB) located in Greenock, Scotland. Diodes has also qualified an additional die revision as well as additional Bill of Materials BOM to include mold compound and a data sheet change on select device for IValley limit. Full electrical characterization and reliability testing have been completed on representative part numbers to ensure there is no change to product reliability.				
IMPACT				
Continuity of Supply - There will be no change to the Form, Fit, or Function of affected products unless specified in Table 1A.				
PRODUCTS AFFECTED				
Table 1 - Additional FAB Source (GFAB) Table 2 - Additional Die Revision (Metal Change) Table 3 - Data Sheet Change (IVALLEY Limit) Table 4 - Additional Assembly Bill Of Materials (BOM) - Lead Frame, Mold Compound				
WEB LINKS				
Manufacturer’s Notice:	https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/			
For More Information Contact:	https://www.diodes.com/about/contact-us/contact-sales/			
Data Sheet:	https://www.diodes.com/catalog/			
DISCLAIMER				
Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days from the notification date of this PCN, all changes described in this announcement are considered approved.				

Table 1 - Additional FAB Source (GFAB)

AM4967GSTR-G1	AM4967RGSTR-G1				
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Table 2 - Additional Die Revision (Metal Change)

AL1665S-13	AL1666AS-13	AL1666S-13			
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Table 3 - Data Sheet Change (IVALLEY Limit)

AP62150WU-7	AP62150Z6-7	AP62200TWU-7	AP62200WU-7	AP62200Z6-7	AP62201WU-7
AP62201Z6-7					

Table 4 - Additional Assembly Bill Of Materials (BOM) - Lead Frame, Mold Compound

AH49ENTR-G1	AP2126K-ADJTRG1	AP2128K-4.2TRG1	AP2210K-3.0TRE1	AP3036BKTR-G1	AP4305KTR-G1
AH49FNTR-G1	AP2127K-1.0TRG1	AP2128K-4.75TRG1	AP2210K-3.0TRG1	AP3103AKTR-G1	AP4313KTR-E1
AH49HNTR-G1	AP2127K-1.2TRG1	AP2128K-5.2TRG1	AP2210K-3.3TRE1	AP3105VKTR-G1	AP4313KTR-G1
AL5822W6-7	AP2127K-1.5TRG1	AP2128K-ADJTRG1	AP2210K-3.3TRG1	AP31251W6-7	AP4320AK6TR-G1
AL8116W6-7	AP2127K-1.8TRG1	AP2129K-3.3TRG1	AP2210K-5.0TRG1	AP3125AEKTR-G1	AP4320BK6TR-G1
AP2111K-ADJTRG1	AP2127K-2.5TRG1	AP2129K-ADJTRG1	AP2210K-ADJTRG1	AP3125AKTR-G1	APR3401W6-7
AP2112K-1.2TRG1	AP2127K-2.8TRG1	AP2202K-2.5TRE1	AP2210N-2.5TRE1	AP3125B1KTR-G1	APR349W6-7
AP2112K-1.8TRG1	AP2127K-3.0TRG1	AP2202K-2.5TRG1	AP2210N-2.8TRE1	AP3125BKTR-G1	AS321KTR-E1
AP2112K-2.5TRG1	AP2127K-3.3TRG1	AP2202K-2.6TRE1	AP2210N-2.8TRG1	AP3125CMKTR-G1	AS321KTR-G1
AP2112K-3.3TRG1	AP2127K-4.2TRG1	AP2202K-2.6TRG1	AP2210N-3.0TRE1	AP3125HAKTR-G1	AS331KTR-G1
AP2113KTR-G1	AP2127K-4.75TRG1	AP2202K-2.8TRE1	AP2210N-3.0TRG1	AP3125HBKTR-G1	AS431AKTR-G1
AP2125K-1.8TRG1	AP2127K-ADJTRG1	AP2202K-2.8TRG1	AP2210N-3.3TRE1	AP3125RKTR-G1	AS431BKTR-G1
AP2125K-2.5TRG1	AP2127N3-1.2TRG1	AP2202K-3.0TRE1	AP2210N-3.3TRG1	AP3125STKTR-G1	AZ431LAKTR-G1
AP2125K-2.8TRG1	AP2127N3-1.5TRG1	AP2202K-3.0TRG1	AP2210N-3.6TRG1	AP3129W6-7	AZ431LBKTR-G1
AP2125K-3.0TRG1	AP2128K-1.0TRG1	AP2202K-3.3TRE1	AP2210N-4.0TRG1	AP3211KTR-G1	AZV331KTR-E1
AP2125K-3.3TRG1	AP2128K-1.2TRG1	AP2202K-3.3TRG1	AP2210N-5.0TRG1	AP3301K6TR-G1	DAS02
AP2125K-4.2TRG1	AP2128K-1.5TRG1	AP2202K-5.0TRG1	AP2502KTR-G1	AP3302K6TR-G1	GP100H3AK6TR-G1
AP2125N-1.8TRG1	AP2128K-1.8TRG1	AP2202K-ADJTRE1	AP3012KTR-E1	AP3602AKTR-G1	GP831K6TR-G1
AP2125N-2.5TRG1	AP2128K-2.5TRG1	AP2202K-ADJTRG1	AP3012KTR-G1	AP3762BK6TR-G1	LSP2300AAD500
AP2125N-2.8TRG1	AP2128K-2.8TRG1	AP2210K-2.5TRE1	AP3015AKTR-G1	AP3766K6TR-G1	
AP2125N-3.0TRG1	AP2128K-3.0TRG1	AP2210K-2.5TRG1	AP3015KTR-G1	AP3783RAK6TR-G1	
AP2125N-3.3TRG1	AP2128K-3.3TRG1	AP2210K-2.8TRE1	AP3019AKTR-G1	AP3783RBK6TR-G1	
AP2125N-4.2TRG1	AP2128K-3.9TRG1	AP2210K-2.8TRG1	AP3031KTR-G1	AP3783RCK6TR-G1	

Table 1A

AP62200/201/200T – Current Data Sheet

Electrical Characteristics (@ $T_J = +25^\circ\text{C}$, $V_{IN} = 12\text{V}$, unless otherwise specified. Min/Max limits apply across the recommended operating junction temperature range, -40°C to $+125^\circ\text{C}$, and input voltage range, 4.2V to 18V, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
I _{VALLEY_LIMIT}	LS Valley Current Limit (Note 8)	From Source to Drain	2	2.4	2.8	A

AP62150 – Current Data Sheet

Electrical Characteristics (@ $T_J = +25^\circ\text{C}$, $V_{IN} = 12\text{V}$, unless otherwise specified. Min/Max limits apply across the recommended operating junction temperature range, -40°C to $+125^\circ\text{C}$, and input voltage range, 4.2V to 18V, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
I _{VALLEY_LIMIT}	LS Valley Current Limit (Note 8)	From source to drain	2.1	2.5	2.9	A

AP62200/201/200T – New Data Sheet

Electrical Characteristics (@ $T_J = +25^\circ\text{C}$, $V_{IN} = 12\text{V}$, unless otherwise specified. Min/Max limits apply across the recommended operating junction temperature range, -40°C to $+125^\circ\text{C}$, and input voltage range, 4.2V to 18V, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
I _{VALLEY_LIMIT}	LS Valley Current Limit (Note 8)	From Source to Drain	2	2.8	3.5	A

AP62150 – Current Data Sheet

Electrical Characteristics (@ $T_J = +25^\circ\text{C}$, $V_{IN} = 12\text{V}$, unless otherwise specified. Min/Max limits apply across the recommended operating junction temperature range, -40°C to $+125^\circ\text{C}$, and input voltage range, 4.2V to 18V, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
I _{VALLEY_LIMIT}	LS Valley Current Limit (Note 8)	From source to drain	2.1	2.8	3.5	A