

Information note

N° 042/22

Dear customer,

With this Infineon Technologies AG information note, we would like to inform you about the following

Data sheet update for products IAUT300N08S5N012 and IAUS300N08S5N012



On 16 April 2020, Infineon acquired Cypress. We are now in the process of merging and consolidating our tools and processes for PCN, Information Notes, Errata and Product Discontinuance. For further details, please visit our website: <https://www.infineon.com/cms/en/about-infineon/company/cypress-acquisition/>

Infineon Technologies AG

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Information note

N° 042/22

► **Products affected**

Please refer to attached affected product list
“INF_042-22_[customer-no].pdf”

► **Detailed change information**

Subject **Data sheet update for products
IAUT300N08S5N012 and IAUS300N08S5N012**

Reason Update diagram 5 ‘Typ. Output characteristics’ on page 5: the wave characteristic using parameter $V_{GS}=4.5V$ corresponds not to the technology model

Description	Old	New
	<ul style="list-style-type: none"> IAUT300N08S5N012: Rev. 1.1 IAUS300N08S5N012: Rev. 1.1 	<ul style="list-style-type: none"> IAUT300N08S5N012: Rev. 1.2 IAUS300N08S5N012: Rev. 1.2

► **Product identification**

Not applicable (for documentation only)

► **Impact of change**

Not applicable (for documentation only)

► **Attachments**

INF_042-22_[customer-no].pdf	affected product list
3_cip04222	customer information package
4_cip04222	data sheets

► **Intended start of delivery**

Not applicable (for documentation only)

If you have any questions, please do not hesitate to contact your local sales office.

Data sheet update for products IAUT300N08S5N012 and IAUS300N08S5N012

Customer Information Package
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Agenda

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4	Conclusion	9

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Motivation of the change

- › Update of data sheet:
 - Update diagram 5 'Typ. Output characteristics' on page 5: the wave characteristic using parameter $V_{GS}=4.5V$ corresponds not to the technology model

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Change over view of data sheet

Description	Old	New
IAUT300N08S5N012	Rev. 1.1	Rev. 1.2
IAUS300N08S5N012	Rev. 1.1	Rev. 1.2

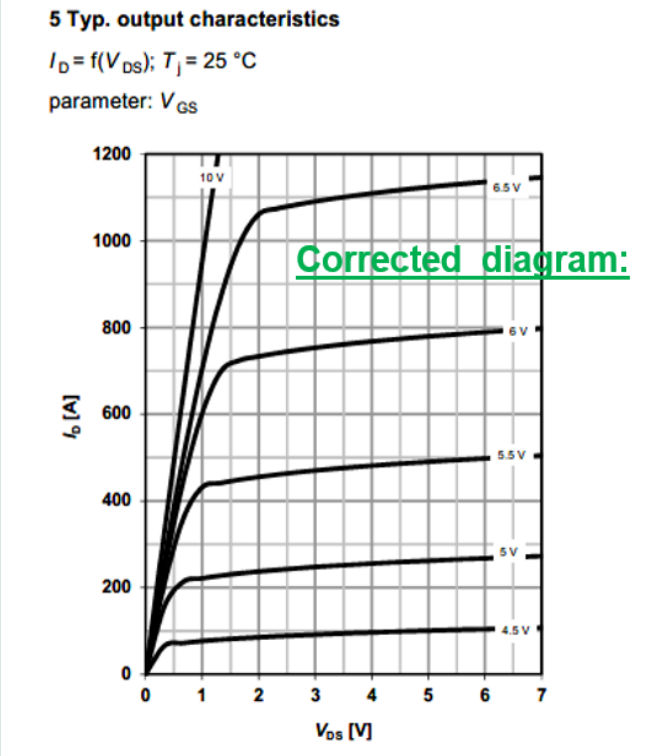
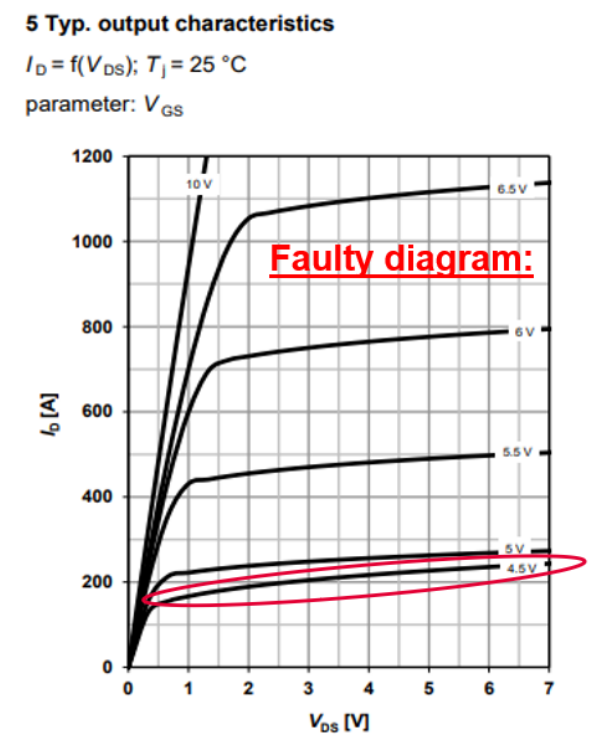
Change Details

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Change details for Output Characteristics_Data sheet Page no. 5

Old

New



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Conclusion

- › Data sheet update regarding diagram 'Typ. output characteristics' on page 5 is required because the depicted wave assigned to parameter $V_{GS}=4.5$ in diagram is shifted to higher I_{DS} current values for corresponding V_{DS} voltages than expected for this MOSFET technology.



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Data sheet update for products IAUT300N08S5N012 and IAUS300N08S5N012



Affected products sold to DIGI-KEY (4002348)

Sales name	SP number	OPN	Package	Customer part number
IAUS300N08S5N012	SP001643336	IAUS300N08S5N012ATMA1	PG-HSOG-8-1	IAUS300N08S5N012ATMA1
IAUT300N08S5N012	SP001585160	IAUT300N08S5N012ATMA2	PG-HSOF-8-1	IAUT300N08S5N012ATMA2