

TITLE: Special Product/Process Change Notice – Update datasheet of certain CMOS5 products

RELEASE DATE: 2020-11-25

OWNER DEPARTMENT: Product Engineering

REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2020-11-25	Weiwei Liu	original

PROCESS CHANGE NOTIFICATION

Update datasheet of certain α MOS5 products

PCN #

SN-00074A

Dear Valued Customer,

This Product Change Notification (PCN) contains information about changes we are planning to make to products that you have purchased within the last two years.

We had issued CN-00415 to add Chongqing Alpha and Omega Semiconductor Limited (known as CQAOS) as the wafer manufacturing location of certain MOSFET products. Every effort has been made to match the electrical parameters and to maintain the existing data sheet limits. However, for α MOS5 product family, some of the parameters/curves in the datasheet still have to be updated. There is no any change of the product after it has been transferred to CQAOS wafer. For details, please contact your local AOS Sales Representatives. The involved products are listed in the appendix.

Please acknowledge receipt of this PCN within 30 days by signing in at <http://www.aosmd.com/quality/pcn> or sending the enclosed Acknowledgement Form to your local AOS Sales Representative.

Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.

If you have any questions regarding this change notice, please contact your local AOS Sales Representative.
<http://www.aosmd.com/contact>

Sincerely,

CK OH

Vice President of Quality

Alpha and Omega Semiconductor

Process Change Notification

PRODUCT CATEGORY MOSFET	PRODUCT(S) AFFECTED Please refer the affected part list at the end of this PCN. * This PCN extends to all related products that may be released after this PCN.											
TYPE OF CHANGE Datasheet update												
DESCRIPTION OF CHANGE Update certain parameters/curves in the datasheet of α MOS5 product family.												
REASON FOR CHANGE To increase the manufacturing capacity, Chongqing Alpha and Omega Semiconductor Limited is going to be added as wafer manufacturing location of α MOS5 product family. Some of the parameters/curves in the datasheet have to be updated because of this change.												
SAMPLE AVAILABILITY See appendix (To obtain samples or production devices, please contact your AOS Sales Representative).	FIRST SHIP DATE Base on customers' agreement.											
METHOD OF IDENTIFICATION Fab location code "N" which be printed in the packing labels and product marking. For details, please contact your local AOS sales representatives.												
IMPACT OF CHANGE Form: None Fit: None Function: Yes. Please contact local sales representative for details Reliability: None Environment: None												
QUALIFICATION / RELIABILITY DATA: Reliability Qualification												
Reliability test plan												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 30%;">Test Item</th> <th style="width: 40%;">Test Condition</th> <th style="width: 10%;">Sample Size</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center; vertical-align: middle;">Reliability Test</td> <td style="text-align: center;">HTGB</td> <td style="text-align: center;">1000hrs T=150 °C, Vgs=100% Vgsmax</td> <td style="text-align: center;">77x3</td> </tr> <tr> <td style="text-align: center;">HTRB</td> <td style="text-align: center;">1000hrs T=150 °C, Vds=100% Vdsmax</td> <td style="text-align: center;">77x3</td> </tr> </tbody> </table>			Test Item	Test Condition	Sample Size	Reliability Test	HTGB	1000hrs T=150 °C, Vgs=100% Vgsmax	77x3	HTRB	1000hrs T=150 °C, Vds=100% Vdsmax	77x3
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Please contact your local AOS Sales Representative if you require the qualification data												
PCN RESPONSE: Please acknowledge receipt of this PCN within 30 days of delivery Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.	AOS CONTACTS: Please contact your local AOS Sales Representative http://www.aosmd.com/contact/											

Acknowledgement of Process Change Notification

(Filled by the customer)

Confirming the Receipt of the PCN

PCN #:

Receiving date (YY/MM/DD):

Receiver:

Department / Title of the receiver:

Signature / Stamp:

Customer Request

Sample request

Quantity:

Requirement of qualification data:

Approval of the Change

Approve

Disapprove

Reason of disapproval:

Approver:

Department / Title of the approver:

Signature / stamp:

QRU-00022-02(d)

Appendix: Affected Product List

Part number	Estimated sample available date	Estimated completion date of qualification	Remark
AOB190A60L	Contact Sales	Complete	
AOB380A60L	Contact Sales	Complete	
AOD1R4A70	Contact Sales	Complete	
AOD380A60	Contact Sales	Complete	
AOD950A70	Contact Sales	Complete	
AOI1R4A70	Contact Sales	Complete	
AOI950A70	Contact Sales	Complete	
AOT190A60L	Contact Sales	Complete	
AOT380A60L	Contact Sales	Complete	
AOTF190A60BL	Contact Sales	Complete	
AOTF190A60L	Contact Sales	Complete	
AOTF380A60L	Contact Sales	Complete	
AOTF600A60L	Contact Sales	Complete	