

PROCESS CHANGE NOTIFICATION

**Add ASMC as an additional wafer supplier for
certain products**

PCN #

CN-00387A

Dear Valued Customer,

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

We are going to add Advanced Semiconductor Manufacturing Corporation Limited (ASMC), as the wafer manufacturing location of certain products. ASMC has been supplying wafers to AOS for more than 10 years. Every effort has been made to match the electrical parameters and to maintain the existing data sheet limits. However, there will be minor deviations for some parts. Benchmark reports comparing the new and existing products will be available. 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&IGBT	PRODUCT(S) AFFECTED Please refer the affected part list at the end of this PCN. * This PCN extends to all new related products that may be released after this PCN.															
TYPE OF CHANGE Additional wafer manufacturing location																
DESCRIPTION OF CHANGE Add Advanced Semiconductor Manufacturing Corporation Limited (also known as ASMC) as one of the wafer manufacturing location of the products listed in appendix.																
REASON FOR CHANGE To increase manufacturing capacity.																
SAMPLE AVAILABILITY See appendix (To obtain samples or production devices, please contact your AOS Sales Representative).	FIRST SHIP DATE Estimated to be from Nov, 30th, 2017, or earlier upon customer approval.															
METHOD OF IDENTIFICATION Fab location code "C" will 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: None Reliability: None Environment: None																
QUALIFICATION / RELIABILITY DATA: a) Reliability Qualification : <table border="1" style="width: 100%; margin-top: 10px; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Reliability test plan</th> </tr> <tr> <th colspan="2" style="text-align: center;">Test Item</th> <th style="text-align: center;">Test Condition</th> <th style="text-align: center;">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=80%Vdsmax</td> <td style="text-align: center;">77x3</td> </tr> </tbody> </table>		Reliability test plan				Test Item		Test Condition	Sample Size	Reliability Test	HTGB	1000hrs T=150°C, Vgs=100%Vgsmax	77x3	HTRB	1000hrs T=150°C, Vds=80%Vdsmax	77x3
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b) Parametric benchmark report 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/															

QRU-00022-02(d)

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
AOB10B60D	6 weeks per request	Completed	
AOB1100L	6 weeks per request	Completed	
AOB15B60D	6 weeks per request	Completed	
AOB1608L	6 weeks per request	Completed	
AOB5B60D	6 weeks per request	Completed	
AOD2N100	6 weeks per request	Completed	
AOD2N100M	6 weeks per request	Completed	
AOK53S60	6 weeks per request	Completed	
AOT10B60D	6 weeks per request	Completed	
AOT12N60FDL	6 weeks per request	Completed	
AOT15B60D	6 weeks per request	Completed	
AOT1608L	6 weeks per request	Completed	
AOT3N100	6 weeks per request	Completed	
AOT5B60D	6 weeks per request	Completed	
AOTF3N100	6 weeks per request	Completed	
AOTF5N50FD	6 weeks per request	Completed	
AOTF5N50FD_001	6 weeks per request	Completed	