



TITLE: Product/Process Change Notice - Additional Assembly & Test Manufacturing Location for TO247 package products (Phase II)

RELEASE DATE: 2023-04-21

OWNER DEPARTMENT: Product & Test

REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2023-04-21	Qingqing Xiao	original

PROCESS CHANGE NOTIFICATION

**Additional Assembly & Test
Manufacturing Location for TO247
package products (Phase II)**

PCN #

CN-00463A

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.

To increase manufacturing capacity, AOS qualified Shantou Huashan Electronic Devices Co., Ltd. as an additional Assembly & Test Manufacturing Location for TO247 package products. The qualification and manufacturing release of TO247 package in HSE can be divided into several phases. The involved products of Phase II are listed in the appendix. The form, fit, function, quality and reliability of our products will not be affected in any way with this change.

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>

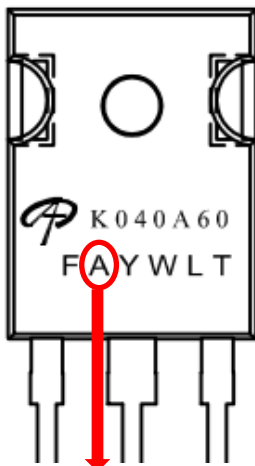
Sincerely,

CK OH

Senior Vice President of Quality

Alpha and Omega Semiconductor

Process Change Notification

PRODUCT CATEGORY MOSFET	PRODUCT(S) AFFECTED Please refer to the affected part list at the end of this PCN. * This notification extends to all new products in TO247 that may be released after this PCN.
TYPE OF CHANGE Additional Assembly and Test Manufacturing Location	
DESCRIPTION OF CHANGE To release Shantou Huashan Electronic Devices Co., Ltd. as an additional Assembly & Test Manufacturing Location for MOSFET 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 Jun, 5 th , 2023, or earlier upon customer approval.
METHOD OF IDENTIFICATION By assembly location code on product marking. <div style="text-align: center;">  </div> <p>Assembly location code N--Shantou Huashan Electronic Devices Co., Ltd.</p> <p>For details, please contact your local AOS sales representatives.</p>	
IMPACT OF CHANGE Form: None Fit: None Function: None Reliability: None Environment: None	

QUALIFICATION / RELIABILITY DATA:

Reliability test				
Test Item	Condition	Time Point	Sample Size	Result
HTGB	Temp=150°C, Vge=100% of Vgemax	1000 hours	77*3	Pass
HTRB	Temp=150°C, Vce=100% of Vcemax	1000 hours	77*3	Pass
TC	-65°C to 150°C , air to air	1000 cycles	77*3	Pass
HAST	130(±2)°C, 85(±5)%RH, 33.3psia, Vce = 80% of Vcemax, up to 42V	96hours	77*3	Pass
PCT	121(±2)°C, 29.7psia, RH=100%	96hours	77*3	Pass

Note: the qualification is based on generic product family 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(e)

Appendix: Affected Product List

Part number	Estimated sample available date	Estimated completion date of qualification	Remark
AOK040A60	Contact Sales for sample schedule	Completed	
AOK040A60_3C1	Contact Sales for sample schedule	Completed	
AOK042A60FD	Contact Sales for sample schedule	Completed	
AOK042A60FD_3C1	Contact Sales for sample schedule	Completed	
AOK065A60	Contact Sales for sample schedule	Completed	
AOK065A60FD	Contact Sales for sample schedule	Completed	
AOK065A60_3C1	Contact Sales for sample schedule	Completed	
AOK095A60	Contact Sales for sample schedule	Completed	
AOK095A60L	Contact Sales for sample schedule	Completed	
AOK095A60_0C1	Contact Sales for sample schedule	Completed	
AOK095A60_3C1	Contact Sales for sample schedule	Completed	
AOK125A60	Contact Sales for sample schedule	Completed	
AOK125A60L	Contact Sales for sample schedule	Completed	
AOK125A60_3C1	Contact Sales for sample schedule	Completed	
AOK160A60	Contact Sales for sample schedule	Completed	
AOK160A60L	Contact Sales for sample schedule	Completed	
AOK160A60_3C1	Contact Sales for sample schedule	Completed	