

● **Change information**

Comparison	From (Current)	Change to (New)
Wafer Foundry	Phenitec Semiconductor Corporation	Phenitec Semiconductor Corporation
Manufacturing site	HQ Fab	1st Fab
Wafer Diameter (inch)	5"	6"
Die Size(mil)	No change	
Die Thickness(μm)	No change	

● **Verification /Qualification Data:**

The electrical characterization and high reliability testing have been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. There will be no change to the Form, Fit, or Function of products affected.

● **Affected Product Type :**

Function: SCHOTTKY				
BAS70A-AU	BAS70-AU	BAS70C-AU	BAS70CW-AU	BAS70SDW-AU
BAS70TW-AU	BAS70WS-AU	BAS70ADW-AU	BAS70AW-AU	BAS70CDW-AU
BAS70S-AU	BAS70SW-AU	BAS70W-AU		

● **Effective Date : 15th February, 2023**

➤ **The reliability test results are summarized below:**

Product reliability test result: PASS

No.	DESCRIPTION	TEST CONDITION	DURATION	FAILURE RATE	
1	High Temperature Reverse Bias (HTRB)	Ta = 100°C , VR=100%VB, DC supply	1000 HOURS	0/77 PCS	3 LOTS PASS
2	Temperature Cycling (TCT)	Ta = -55°C~ +150°C (2 cycles / Hour)	1000 CYCLES	0/77 PCS	3 LOTS PASS
3	Autoclave (AC)	Ta = 121°C, P = 29.7psia , 100%RH	96 HOURS	0/77 PCS	3 LOTS PASS
4	High Humidity High Temp. Reverse Bias(H3TRB)	TA = 85°C +/-2°C RH=85% +/-5% VR = 80%VB DC Supply	1000 HOURS	0/77 PCS	3 LOTS PASS
5	Intermittent Forward Operation Life (IOL)	$\Delta T_j \geq 100^\circ\text{C}$, POWER ON: 2 mins; POWER OFF: 2 mins.	15000 CYCLES	0/77 PCS	3 LOTS PASS
6	Resistance to Solder Heat (RSH)	Temperature of solder pot = 260 +5/-0°C Time for dipping in solder = 10 ± 1 Sec	1 CYCLE	0/30 PCS	3 LOTS PASS

● **ELECTRICAL CHARACTERISTICS SUMMARY:**

There is no change to the product electrical specifications.

● **SAMPLES NEED :**

Contact your local PANJIT sales representative.

● **TECHNICAL CONTACT :**

E-mail: alanliu@panjit.com.tw

● **FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local PANJIT sales representative.

● **ADDITIONAL RELIABILITY :**

Contact your local PANJIT sales representative.

● **CHANGED PART IDENTIFICATION :**

The tracking of 1st delivery after change can be identified by production lot number. Please contact your local sales for tracking lot number.

Please refer to below Lot number rule:

Lot number: **2924XXXXX**.

1st digit "2" denotes Year 2022.

2nd digit "9" denotes September.

3rd and 4th digits denote Day.

From 5th digits (XXXXX) denotes production serial number.



Customer Acknowledgement Form



(To be filled out by the customer and returned to HQBU of PANJIT)

The indicated Customer Notification letter was received and acknowledged by the undersigned authority.

Company Name : _____

Customer Name : _____ (Signature) Date: _____

PCN number: PCN# 2208001-AU

Approval for the Product/Process change: Yes No

Comments/Additional requests:

Thanks for your attention on this matter. Please return the acknowledgment form to your local PANJIT sales representative.

Please note that no objection within 30 days upon receiving will be deemed as being accepted and agreed with this Process Change Notification.