PRODUCT / PROCESS CHANGE NOTIFICATION

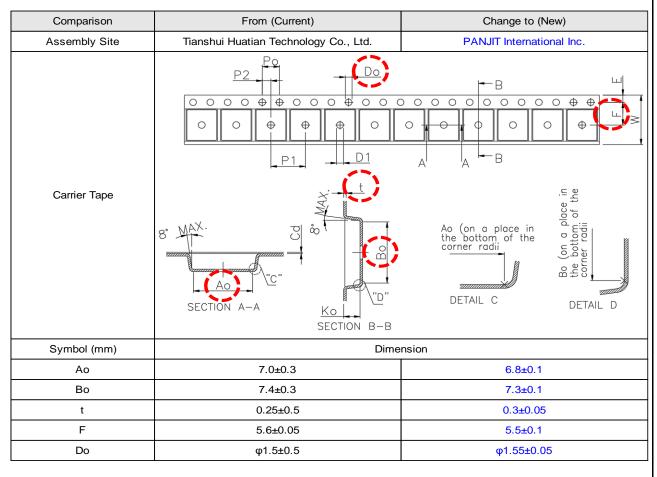
Generic Announcement

	PCN#2501003-	AU-1 • D	ATE: 14 th January, 2025		
PCN Subject: Change Assembly Site for Package SOT-223 Series					
PCN Change Category:					
■ Material	Process	□ Data she	et / Specification		
Reliability					
■ Others (Ch	nange Assembly Site)			
Description of Cha	ange Purpose or Reas	son:			
This PCN is being	issued to announce the	e qualification of	of PANJIT International		
Inc. (located in Kaohs	iung, Taiwan) as an as	sembly and tes	st site for selected SOT-		
223 products. The pro	ducts manufactured at	this new asser	mbly/test site will be		
form, fit, and function	compatible with those f	rom the curren	tly qualified		
manufacturing sites. V	Ve also change our par	t number from	Type_R2_000A1 to		
Type_R2_007A1. For	more detail, please che	eck below char	nge information.		
We recommend that	at you acknowledge red	ceipt of this not	ification within 30 days		
of this PCN date. If you require samples for further evaluation, please feel free to					
contact your local sales representative and make a request. We are always					
pleased to serve you a	at any time.				

• Change Information:

Comparison			From (Current)	Change to (New)	
Assembly Site			Tianshui Huatian Technology Co., Ltd.	PANJIT International Inc.	
	Production Site Loca	ation	Gansu, China	Kaohsiung, Taiwan	
Package			SOT-223		
	Lead Frame	Material	Copper		
	Die Attach	Material	Silver Glue	Solder Paste	
		Material	Cu		
	Wire	Diameter(mil)	1.0mil / 1.2mil / 1.5mil		
Material	Epoxy Molding Compound	Product Name	CEL-1702HF	ELER-8 Series	
	Ending Tape	Material	Paper	Polyester	
		Color	White	Black	
	Blue Anti-Static Plastic Reel				
Form	Appearance				
	Marking Format		PJ 81100W 3R06 T	PJ 8110DW 4Y00 7	
	Bottom View				

Change Information:



• 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:

Package	Function	Туре	Tianshui Huatian Technology Co., Ltd.	PANJIT International Inc.
SOT-223	MOSFET	PJW3P06A-AU	PJW3P06A-AU_R2_000A1	PJW3P06A-AU_R2_007A1
SOT-223	MOSFET	PJW4N06A-AU	PJW4N06A-AU_R2_000A1	PJW4N06A-AU_R2_007A1
SOT-223	MOSFET	PJW4P06A-AU	PJW4P06A-AU_R2_000A1	PJW4P06A-AU_R2_007A1
SOT-223	MOSFET	PJW5N10-AU	PJW5N10-AU_R2_000A1	PJW5N10-AU_R2_007A1
SOT-223	MOSFET	PJW5P06A-AU	PJW5P06A-AU_R2_000A1	PJW5P06A-AU_R2_007A1
SOT-223	MOSFET	PJW7N06A-AU	PJW7N06A-AU_R2_000A1	PJW7N06A-AU_R2_007A1
SOT-223	Bipolar Junction Transistors	BCP53-16-AU	BCP53-16-AU_R2_000A1	BCP53-16-AU_R2_007A1
SOT-223	Bipolar Junction Transistors	BCP56-16-AU	BCP56-16-AU_R2_000A1	BCP56-16-AU_R2_007A1
SOT-223	Bipolar Junction Transistors	2SCA44W-AU	2SCA44W-AU_R2_000A1	2SCA44W-AU_R2_007A1

• Effective Date: 14th July, 2025

The reliability test results are summarized below:

Product reliability test result: PASS

No.	DESCRIPTION	TEST CONDITION	DURATION	ON FAILURE RATE	
1	Temperature Cycling (TCT)	Ta = -55°C ~ +150°C (2 cycles / Hour)	1000 CYCLES	0/77 PCS	3 Lots Pass
2	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
3	Solderability (SD)	Temperature of solder pot = 245 ± 5°C Time for dipping in solder = 5 ± 0.5 Sec	1 CYCLE	0/10 PCS	3 Lots Pass
4	Intermittent Operational Life (IOL)	∆Tj≥100°C Power On: 120 sec Power Off: 120 sec	15,000 CYCLES	0/77 PCS	3 Lots Pass
5	High Temperature Reverse Bias (HTRB)	Tj = Tj max, V=80%V _R , DC supply	1000 HOURS	0/77 PCS	3 Lots Pass
6	High Temperature Gate Bias (HTGB)	Tj ≦ Tj max, 100%VGS	1000 HOURS	0/77 PCS	3 Lots Pass
7	Autoclave (AC)	Ta = 121°C, P = 15psig ,100%RH	96 HOURS	0/77 PCS	3 Lots Pass
8	High Humidity High Temp. Reverse Bias(H³TRB)	Ta = 85° C +/-2°C RH = 85° +/-5% V = 80° V _R DC Supply	1000 HOURS	0/77 PCS	3 Lots Pass

• ELECTRICAL CHARACTERISTICS SUMMARY:

There is no change to the product electrical specifications.

• SAMPLES REQUEST:

Contact your local PANJIT sales representative.

• TECHNICAL CONTACT:

E-mail: jwchen@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: 5924XXXXX.

1st digit "5" denotes Year 2025. 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 Pa	ANJIT)
The indicated Customer Notification letter was received and acknowledged bauthority.	y the undersigned
Company Name :	
Customer Name :(Signature) Date :	_
PCN Number : PCN# 2501003-AU-1	
Approval for the Product/Process change: ☐Yes ☐No	
Comments/Additional requests:	

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

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