

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. In addition, there will be no change to the Form, Fit, or Function of products affected.

•Affected Product Type:

Refer to below table 1 of impacted product list.

•Effective Date: 30th December, 2020

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

- Product reliability test result: PASS

	Test Item	Test Condition	DURATION	FAILURE RATE	
1	Temperature Cycling (TC)	Ta= -55°C(10min)~ +150°C(10min)	1000 CYCLE	0/77 PCS	2 Lots Pass
2	Thermal Shock (TST)	Ta= 0°C(5min)~ +100°C(5min)	100 CYCLE	0/77 PCS	2 Lots Pass
3	High Temperature Storage Test (HTSL)	Ta= 150°C	1000 HRS	0/77 PCS	2 Lots Pass
4	Resistance to Solder Heat (RSH)	Temperature of solder pot =260 ±5°C Time for dipping in solder = 10 +2/-0 Sec	1 CYCLE	0/30 PCS	2 Lots Pass
5	Continue Froward Operating Life (CFOL)	Ta= room temp. I= IO +/– 10% DC supply	168 HRS	0/77 PCS	2 Lots Pass
6	High Temperature Reverse Bias (HTRB)	Ta= 140°C , VR=80% VR	1000 HRS	0/77 PCS	2 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: Ivanling@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: **0924XXXXX**.

1st digit "0" denotes Year 2020.

2nd digit "9" denotes September.

3rd and 4th digits denote Day.

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

Table 1- affected product types:

Package Type: DO-15						
MBR2100	MBR2150	MBR2200	MBR280	MBR290	MBR2H200MS	SB2100
SB2100E	SB280	SB280E	SB290	SB290E	SB3100S	SB380S
SB2100(H)	SB390S					
Package Type: DO-201AD						
MBR3100	MBR3100H	MBR3100-PW	MBR3100-SHS	MBR3150	MBR3150H	MBR3150-PW
MBR3150Q	MBR3150-SHS	MBR3200	MBR3200E	MBR380	MBR390	MBR3H150SS
MBR3H200SS	MBR5100	MBR5150	MBR5150-SH	MBR580	MBR590	MBR5H150SS
SB3100	SB3100(H)	SB3100(H)	SB3100E	SB3100H	SB3100-SHK	SB380
SB380E	SB390	SB390E	SB5100	SB5100(H)	SB5100E	SB5150
SB5150E	SB580	MBR5200	SB5200			
Package Type: DO-41						
MBR1100	MBR1150	MBR1200	MBR180	MBR190	MBR1H150	MBR1H200
SB1100	SB1100E	SB180	SB180E	SB190	SB190E	SB2100S
SB280ES	SB280S	SB290S	SR180	SR190		
Package Type: SMA						
BR210	BR210-SH	BR215	BR220	BR28	BR29	BX310
BX315	BX320	BX38	BX39	MS110	MS115	MS120
MS18	MS19	S100	S100E	SR210	SR210E	SR28
SR28E	SR29	SR29A	SR29E	SS18	SS18E	SS18-L
SS19	SS19E	SSA210	SX1H15	SX1H20	SX310	SX310E
SX38	SX38E	SX39	SX39E	SX3H15	SX3H20	
Package Type: SMB						
BR310	BR310H	BR310V	BR315	BR320	BR38	BR39
BR515L	BR810	MB110	MB115	MB120	MB210	MB215
MB220	MB28	MB29	S110	S110E	S210	S210E
S320	S510B	SK28	SK28E	SK29	SK29E	SR310
SR310E	SR38	SR38E	SR39	SR39E	SR5H15	SR5H20
SS210	SS28	SS29				
Package Type: SMC						
MB310	MB315	MB320	MB38	MB39	MB510	MB510-TK
MB515	MB58	MB59	MB810	S310	S310E	S510
S510E	S515	SK38	SK38E	SK39	SK39E	SK58
SK58E	SK59	SK59E	SS38	SS39	MB420G	MB420L
MB520						



Customer Acknowledgement Form

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

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

Company Name : _____

Customer Name : _____(Signature) Date:_____

PCN number: **PCN# 2009008**

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.