



德昌電子(集團)有限公司

TAK CHEONG ELECTRONICS (HOLDINGS) CO.,LTD.

**PRODUCT / PROCESS CHANGE NOTIFICATION**

**SUBJECT : Product / Process Change Notification, 020002-A**

This is to inform you that a product and/or process change will be made to the following product (s). Tak Cheong will consider this change approved unless specific conditions of acceptance are submitted in writing within 30 days of receipt of this notification.

If you need data or samples, please contact Tak Cheong Electronics (Shanwei) Co., Ltd.

For any questions concerning this change, please contact:

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Email : cl.long@takcheongsemi.com  
Contact No. : 86-660-337 5888 Ext. 8063  
Direct Line : 86-660-3389178

**TITLE : Change of Part Marking**

**CATEGORY (S) : Part Marking Change**

**PRODUCT AFFECTED : DO35 and DO41 Axial Leaded Glass Zener Diodes**

**EFFECTIVITY : 02 Septl 2002**

**DESCRIPTION AND PURPOSE:**

In line with the purchasing agreement, PCN #12323, which granted Tak Cheong a license to manufacture Double Slug Axial Leaded Glass Zener Diodes from ON Semiconductor, please be informed that the following changes will be taking effect;

- Replace the manufactory date code from YWW( year and Workweek) to YMM(Year and Workmonth).
- Y stands for the year and MM stands for the month.

Please see illustration below:

| FROM                               | TO                        |
|------------------------------------|---------------------------|
| T - ON Logo and Assembly Site Code | T - Tak Cheong Logo       |
| XXX - Device Code                  | XXX - Device Code         |
| XXX - Device Code                  | XXX - Device Code         |
| YWW - Year and Work / week         | YMM- Year and Work /month |



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Device Marking Proposal

| Item | Device Family      | Current Marking             | Proposed Marking            |
|------|--------------------|-----------------------------|-----------------------------|
| 01   | 1N4730A-1N4372A    | T<br>1N<br>XX<br>XXA<br>YWW | T<br>1N<br>XX<br>XXA<br>YMM |
| 02   | 1N746A-1N759A      | T<br>1N<br>XX<br>XA<br>YWW  | T<br>1N<br>XX<br>XA<br>YMM  |
| 03   | 1N957B-1N991B      | T<br>1N<br>9X<br>XB<br>YWW  | T<br>1N<br>9X<br>XB<br>YMM  |
| 04   | 1N5985B-1N6007B    | T<br>1N<br>XX<br>XXB<br>YWW | T<br>1N<br>XX<br>XXB<br>YMM |
| 05   | 1N4678-1N4711      | T<br>1N<br>4X<br>XX<br>YWW  | T<br>1N<br>4X<br>XX<br>YMM  |
| 06   | 1N5221B-1N5280B    | T<br>1N<br>52<br>XXB<br>YWW | T<br>1N<br>52<br>XXB<br>YMM |
| 07   | BZX55C2V4-BZX55C91 | T<br>55C<br>XXX<br>YWW      | T<br>55C<br>XXX<br>YMM      |
| 08   | BZX79C2V4-BZX79C33 | T<br>79C<br>XXX<br>YWW      | T<br>79C<br>XXX<br>YMM      |
| 09   | 1N4728A-1N4763A    | T<br>1N<br>47<br>XXA<br>YWW | T<br>1N<br>47<br>XXA<br>YMM |
| 10   | BZX85C3V3-BZX85C82 | T<br>85C<br>XXX<br>YWW      | T<br>85C<br>XXX<br>YMM      |



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**EFFECT OF CHANGE:**

The parts covered in this change are expected to have no effect with the current parts in terms of Quality and Reliability.

**QUALIFICATION PLAN:**

The qualification plan as written is designed to meet all Quality and Reliability requirements of our products.

**Qualification Plan No.** : Not Applicable

**AFFECTED DEVICE LIST**

|           |           |           |            |
|-----------|-----------|-----------|------------|
| 1N4370ARL | 1N4734A   | 1N4745A   | 1N4756ARL  |
| 1N4731ARL | 1N4734ARL | 1N4745ARL | 1N4757A    |
| 1N4731ATA | 1N4735A   | 1N4745ATA | 1N4757ARL  |
| 1N4372ARL | 1N4735ARL | 1N4746A   | 1N4758A    |
| 1N4372ATA | 1N4735ATA | 1N4746ARL | 1N4758ARL  |
| 1N4678    | 1N4736A   | 1N4746ATA | 1N4759A    |
| 1N4678RL  | 1N4736ARL | 1N4747A   | 1N4759ARL  |
| 1N4679RL  | 1N4736ATA | 1N4747ARL | 1N4760A    |
| 1N4680    | 1N4737A   | 1N4747ATA | 1N4760ARL  |
| 1N4685RL  | 1N4737ARL | 1N4748A   | 1N4760ATA  |
| 1N4688RL  | 1N4737ATA | 1N4748ARL | 1N4761A    |
| 1N4689RL  | 1N4737D   | 1N4748ATA | 1N4761ARL  |
| 1N4690RL  | 1N4738A   | 1N4749A   | 1N4762A    |
| 1N4702TA  | 1N4738ARL | 1N4749ARL | 1N4762ARL  |
| 1N4702TA2 | 1N4738ATA | 1N4749ATA | 1N4763A    |
| 1N4728A   | 1N4739A   | 1N4750A   | 1N4763ARL  |
| 1N4728ARL | 1N4739ARL | 1N4750ARL | 1N5221B    |
| 1N4728ATA | 1N4739ATA | 1N4750ATA | 1N5221BRL  |
| 1N4729A   | 1N4740A   | 1N4751A   | 1N5221BTA  |
| 1N4729ARL | 1N4740ARL | 1N4751ARL | 1N5222B    |
| 1N4730A   | 1N4740ATA | 1N4751ATA | 1N5222BRL  |
| 1N4730ARL | 1N4741A   | 1N4752A   | 1N5223B    |
| 1N4730ATA | 1N4741ARL | 1N4752ARL | 1N5223BRL  |
| 1N4731A   | 1N4741ATA | 1N4753A   | 1N5223BTA  |
| 1N4731ARL | 1N4742A   | 1N4753ARL | 1N5223BTA2 |
| 1N4732A   | 1N4742ARL | 1N4753ATA | 1N5224BRL  |
| 1N4732ARL | 1N4742ATA | 1N4754A   | 1N5225B    |



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|            |            |            |           |
|------------|------------|------------|-----------|
| 1N4732ATA  | 1N4743A    | 1N4754ARL  | 1N5225BRL |
| 1N4733A    | 1N4743ARL  | 1N4754ATA  | 1N5226B   |
| 1N4733ARL  | 1N4743ATA  | 1N4755A    | 1N5226BRL |
| 1N4733ATA  | 1N4744A    | 1N4755ARL  | 1N5226C   |
| 1N4733ATA2 | 1N4744ARL  | 1N4755ATA  | 1N5227B   |
| 1N4733DRL  | 1N4744ATA  | 1N4756A    | 1N5227BRL |
| 1N5227BTA  | 1N5241B    | 1N5256CRL  | 1N749A    |
| 1N5228B    | 1N5241BRL  | 1N5257B    | 1N749ARL  |
| 1N5228BRL  | 1N5241CRL  | 1N5257BRL  | 1N749ATA  |
| 1N5228BTA  | 1N5242B    | 1N5257BTA  | 1N749DRL  |
| 1N5228BTA2 | 1N5242BRL  | 1N5258B    | 1N750A    |
| 1N5229B    | 1N5242BTA  | 1N5258BRL  | 1N750ARL  |
| 1N5229BRL  | 1N5243B    | 1N5258BTA  | 1N750ATA  |
| 1N5230B    | 1N5243BRL  | 1N5259B    | 1N750D    |
| 1N5230BRL  | 1N5243BTA  | 1N5259BRL  | 1N750DRL  |
| 1N5230BTA  | 1N5244B    | 1N5259BTA  | 1N751A    |
| 1N5230BTA2 | 1N5244BRA2 | 1N5259BTA2 | 1N751ARL  |
| 1N5231B    | 1N5244BRL  | 1N5259CRL  | 1N751ATA  |
| 1N5231BRA1 | 1N5245B    | 1N5260B    | 1N751CRL  |
| 1N5231BRL  | 1N5245BRL  | 1N5260BRL  | 1N751D    |
| 1N5231BRR2 | 1N5245BTA  | 1N5260BTA  | 1N751DRL  |
| 1N5231BTA  | 1N5245CRL  | 1N5261B    | 1N752A    |
| 1N5231CRL  | 1N5246B    | 1N5261BRL  | 1N752ARL  |
| 1N5232B    | 1N5246BRA1 | 1N5261BTA  | 1N752ATA  |
| 1N5232BRL  | 1N5246BRL  | 1N5262B    | 1N752C    |
| 1N5232BTA  | 1N5246CRL  | 1N5262BRL  | 1N753A    |
| 1N5232CRL  | 1N5247B    | 1N5262BTA  | 1N753ARL  |
| 1N5233B    | 1N5247BRL  | 1N5263B    | 1N753ATA  |
| 1N5233BRL  | 1N5247BTA  | 1N5263BRL  | 1N753DRL  |
| 1N5233D    | 1N5248B    | 1N5263BTA  | 1N754A    |
| 1N5234B    | 1N5248BRL  | 1N5264BRL  | 1N754ARL  |
| 1N5234BRL  | 1N5248BTA  | 1N5264BTA  | 1N754ATA  |
| 1N5234BRR1 | 1N5249B    | 1N5265B    | 1N755A    |
| 1N5234CRL  | 1N5249BRL  | 1N5265BRL  | 1N755ARL  |
| 1N5235B    | 1N5250B    | 1N5266B    | 1N755ATA  |
| 1N5235BRL  | 1N5250BRL  | 1N5266BRL  | 1N756A    |
| 1N5236B    | 1N5251B    | 1N5267B    | 1N756ARL  |
| 1N5236BRL  | 1N5251BRL  | 1N5267BRL  | 1N756ATA  |
| 1N5236BTA2 | 1N5252B    | 1N5268B    | 1N757A    |
| 1N5236CRL  | 1N5252BRL  | 1N5269BRL  | 1N757ARL  |
| 1N5237B    | 1N5252BRL2 | 1N5270B    | 1N757ATA  |
| 1N5237BRL  | 1N5252BTA  | 1N5270BRL  | 1N758A    |
| 1N5237BRR1 | 1N5253B    | 1N5270CRL  | 1N758ARL  |
| 1N5237C    | 1N5253BRL  | 1N5280BRL  | 1N758ATA  |



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|             |             |                |             |
|-------------|-------------|----------------|-------------|
| 1N5238B     | 1N5253BTA   | 1N5985BRL      | 1N759A      |
| 1N5238BRL   | 1N5254B     | 1N6004BRL      | 1N759ARL    |
| 1N5239B     | 1N5254BRL   | 1N746A         | 1N759ATA    |
| 1N5239BRL   | 1N5254BTA   | 1N746ARL       | 1N961BRL    |
| 1N5239BTA   | 1N5255B     | 1N746ATA       | 1N961BRR1   |
| 1N5239C     | 1N5255BRL   | 1N747A         | 1N962BRL    |
| 1N5239CRL   | 1N5255BTA   | 1N747ARL       | 1N962BTA    |
| 1N5240B     | 1N5256B     | 1N747ATA       | 1N963BRL    |
| 1N5240BRL   | 1N5256BRL   | 1N748A         | 1N963BRR1   |
| 1N5240CRL   | 1N5256BTA   | 1N748ARL       | 1N964BRL    |
| 1N964BTA    | BZX79C2V4RL | MZ4623         | SZ2367-1RR1 |
| 1N965BRL    | BZX79C2V7RL | MZ4623RL       | SZ2367RR1   |
| 1N965BTA    | BZX79C30RL  | MZ4624         | SZ2367RR2   |
| 1N966BRL    | BZX79C33RL  | MZ4626         | SZ2372RA2   |
| 1N966BTA    | BZX79C3V0RL | SZ11594RL      | SZ2372RR2   |
| 1N967BRL    | BZX79C3V3RL | SZ11755RL      | SZ2390-1RR2 |
| 1N967BTA    | BZX79C3V6RL | SZ12818-107RL  | SZ2390RA1   |
| 1N968BRL    | BZX79C3V9RL | SZ12818-1RL    | SZ2390RA2   |
| 1N969BRL    | BZX79C4V7RL | SZ12990-11RL   | SZ2390RR2   |
| 1N970BRL    | BZX79C5V1RL | SZ12990-12RL   | SZ2394RL    |
| 1N971BRL    | BZX79C5V6RL | SZ12990-17RL   | SZ2413RL    |
| 1N971BTA    | BZX79C6V2RL | SZ12990-203TA3 | SZ2461RA2   |
| 1N972BRL    | BZX79C6V8RL | SZ12990-20ARL2 | SZ2469-1RL  |
| 1N972BTA    | BZX79C7V5RL | SZ12990-20RL   | SZ2509RL    |
| 1N973BRL    | BZX79C8V2RL | SZ12990-242TA3 | SZ2516RL    |
| 1N974BRL    | BZX85C10RL  | SZ12990-26RL   | SZ2553RL    |
| 1N974BTA    | BZX85C12RL  | SZ12990-27RL   | SZ2568RL    |
| 1N975BRL    | BZX85C13RL  | SZ12990-32ARL  | SZ2580RL    |
| 1N979BRL    | BZX85C15RL  | SZ12990-32ARL2 | SZ2593RL    |
| 1N986BRL    | BZX85C16RL  | SZ12990-8RL    | SZ2593RR1   |
| 1N991BRL    | BZX85C18RL  | SZ12990-9ARL   | SZ2631RR1   |
| BZX55B5V6RL | BZX85C22RL  | SZ12993-11RL   | SZ2631RR2   |
| BZX55C10RL  | BZX85C24RL  | SZ12993-17RL   | SZ2648RA2   |
| BZX55C12RL  | BZX85C27RL  | SZ12993-18RL   | SZ2648RR1   |
| BZX55C15RL  | BZX85C30RL  | SZ12993-227TA3 | SZ2648RR2   |
| BZX55C2V7RL | BZX85C33RL  | SZ12993-27RL   | SZ2659RL    |
| BZX55C3V0RL | BZX85C36RL  | SZ13002-11RL   | SZ2669RR1   |
| BZX55C3V3RL | BZX85C3V3RL | SZ13002-13RL   | SZ2669RR2   |
| BZX55C3V6RL | BZX85C3V6RL | SZ13002-213TA3 | SZ2670RL    |
| BZX55C3V9RL | BZX85C3V9RL | SZ13002-8RL    | SZ2682RR2   |
| BZX55C4V3RL | BZX85C43RL  | SZ13002-9RL    | SZ2691RA2   |
| BZX55C4V7RL | BZX85C47RL  | SZ13003-2RL    | SZ2710RR1   |
| BZX55C5V1RL | BZX85C4V3RL | SZ13698-100TA  | SZ2710RR2   |



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|---------------|----------------|---------------|----------|
| BZX55C5V6RL   | BZX85C4V7RL    | SZ13698-200TA | SZ2719RL |
| BZX55C6V2RL   | BZX85C5V1RL    | SZ13698-330TA | SZ2822RL |
| BZX55C6V8RL   | BZX85C5V6RL    | SZ13698-519TA | SZ2824RL |
| BZX55C7V5RL   | BZX85C62RL     | SZ13698-569TA | SZ2829RL |
| BZX55C8V2RL   | BZX85C6V2RL    | SZ13698-829TA | SZ2830RL |
| BZX55C9V1RL   | BZX85C6V8RL    | SZ2179RA1     | SZ2831RL |
| BZX79B6V2RL   | BZX85C75RL     | SZ2179RL      | SZ2833RL |
| BZX79C10RL    | BZX85C7V5RL    | SZ2220RL      | SZ2850RL |
| BZX79C12RL    | BZX85C82RL     | SZ2245-1RL    | SZ2854RL |
| BZX79C15RL    | BZX85C8V2RL    | SZ2245RL      | SZ2855RL |
| BZX79C16RL    | BZX85C9V1RL    | SZ2250RL      | SZ2880RL |
| BZX79C18RL    | MZ4615         | SZ2294RL      | SZ2881RL |
| BZX79C22RL    | MZ4616         | SZ2344RL      | SZ2882RL |
| BZX79C24RL    | MZ4620         | SZ2357RL      | SZ2883RL |
| BZX79C27RL    | MZ4620RL       | SZ2359RL      | SZ2884RL |
| SZ2885RL      | SZG30373RL     | SZG40144RL    |          |
| SZ30016-117RL | SZG30420-2RL   | SZG40175RL    |          |
| SZ30016-122RL | SZG30422RL     | SZG40180RL    |          |
| SZ30016-123RL | SZG30437RL     | SZG40188-19RL |          |
| SZ30016-134RL | SZG30460RL     | SZG40188-22RL |          |
| SZ30016-146RL | SZG30469RL     | SZG40188-26RL |          |
| SZ30016-213RL | SZG30555RL     | SZG40188-29RL |          |
| SZ30016-231RL | SZG30569-5RL   | SZG40188-6RL  |          |
| SZ30016-257RL | SZG30593RL     | SZG40189RL    |          |
| SZ30016-26RL  | SZG30608RL     | SZG40204RL    |          |
| SZ30016-272RL | SZG30616RL     | SZG40233RL    |          |
| SZ30016-32RL  | SZG30623RL     | SZG40235-13RL |          |
| SZ30016-362RL | SZG30628-1TA2  | SZG40235-17RL |          |
| SZ30016-38RL  | SZG30628-2TA2  | SZG40235-19RL |          |
| SZ30016-422RL | SZG30628-8TA2  | SZG40235-32RL |          |
| SZ30016-62RL  | SZG30635RL     | SZG40235-5RL  |          |
| SZ30016-77RL  | SZG30662RL     | SZG40235-6RL  |          |
| SZ30016-98RL  | SZG30675-16RL  | SZG40235-7RL  |          |
| SZ30016-99RL  | SZG30675-32RR2 | SZG40235-8RL  |          |
| SZ30035-10RL  | SZG30675-38RR2 | SZG40237-12RL |          |
| SZ30035-11RL  | SZG30680RL     | SZG40237-14RL |          |
| SZ30035-12RL  | SZG30688-16RL  | SZG40237-15RL |          |
| SZ30035-14RL  | SZG30774RA2    | SZG40237-16RL |          |
| SZ30035-16RL  | SZG30774RL     | SZG40237-17RL |          |
| SZ30035-17RL  | SZG30774RR2    | SZG40237-18RL |          |
| SZ30035-18RL  | SZG30775RL     | SZG40237-19RL |          |
| SZ30035-19RL  | SZG30775RR2    | SZG40237-1RL  |          |
| SZ30035-1RL   | SZG30796-5RL   | SZG40237-21RL |          |



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SZ30035-20RL  
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SZ30035-9RL  
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SZG30348RL  
SZG30371RL

SZG30806RL  
SZG30817-1RL  
SZG30817-2RL  
SZG30817-5RL  
SZG30817-7RL  
SZG30817-8RL  
SZG30817-9RL  
SZG30821RA1  
SZG30821RR2  
SZG30829RL  
SZG30885RL  
SZG35052RL  
SZG39044RL  
SZG39047RL  
SZG39072RL  
SZG39073RL  
SZG39075RL  
SZG40102RL  
SZG40133RL  
SZG40134RL

SZG40237-22RL  
SZG40237-23RL  
SZG40237-24RL  
SZG40237-33RL  
SZG40237-34RL  
SZG40237-4RL  
SZG40237-5DRL  
SZG40237-5RL  
SZG40237-6RL  
SZG40237-8RL  
SZG40237-9RL  
SZP30050KRL