



DATE: 25th October, 2018

PCN #: 2381

PCN Title: Qualification of Additional FAB & A/T Source, and/or Bill of Materials (BOM) for Select Products

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request within 30 days as well. Otherwise, samples may not be built prior to this change. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



PRODUCT CHANGE NOTICE**PCN-2381 REV 1**

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
25 th October, 2018	25 th January, 2019	Analog	Additional FAB & A/T Source and BOM	2381
TITLE				
Qualification of Additional FAB & A/T Source, and/or Bill of Materials (BOM) for Select Products				
DESCRIPTION OF CHANGE				
<p>This PCN is being issued to notify customers that in order to ensure continuity of supply Diodes Incorporated has qualified additional internal FAB Source (SFAB2) and A/T source (SAT) located in Shanghai, China as well as additional bill of material (BOM) on select products.</p> <p>Full electrical characterization and reliability testing has been completed on representative part numbers to ensure there is no change to product reliability, device functionality or electrical specifications in the device datasheet. Reference attached qualification/reliability report (embedded in this file).</p>				
IMPACT				
No change in datasheet electrical parameters however, some devices will have different package outline dimensions (POD) as noted in Table 3A below.				
PRODUCTS AFFECTED				
Table 1 - Qualify Additional FAB Source (SFAB2) for MOSFET Device, and BOM (Die Attach Epoxy, and Mold Compound) Table 2 - Qualify Additional BOM (Lead Frame, Die Attach Epoxy, and Mold Compound) Table 3 - Qualify Additional A/T Site (SAT) , BOM, and New POD (Table 3A) Table 4 - Qualify Additional BOM (Die Attach Epoxy)				
WEB LINKS				
Manufacturer's Notice:	https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/			
For More Information Contact:	http://www.diodes.com/contacts.html			
Data Sheet:	http://www.diodes.com/catalog			
DISCLAIMER				
Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.				

Table 1 - Qualify Additional FAB Source (SFAB2) for MOSFET Device, and BOM (Die Attach Epoxy, and Mold Compound)

APR3415MTR-G1	APR3415BMTR-G1		
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Table 2 - Qualify Additional BOM (Lead Frame, Die Attach Epoxy, and Mold Compound)

ZR431F005-7	ZR431F005TA	ZR431F01-7	ZR431F01TA	ZR431FTA	
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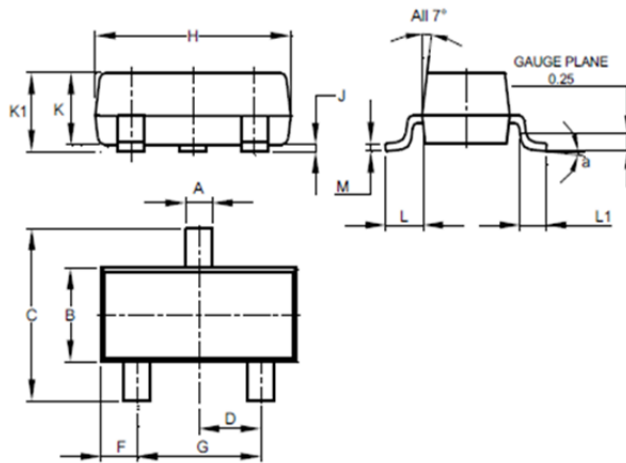
Table 3 - Qualify Additional A/T Site (SAT) , BOM, and New POD (Table 3A)

ZHT431F01TA	ZHT431F02TA	ZHT431FMTA	ZR431LF01-7	ZR431LF01TA	ZR431LF02TA
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Table 3A
Current SOT23R POD

Package Outline Dimensions

SOT23



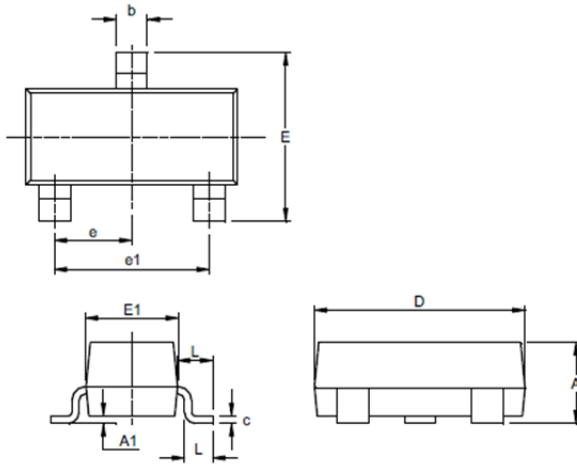
SOT23			
Dim	Min	Max	Typ
A	0.37	0.51	0.40
B	1.20	1.40	1.30
C	2.30	2.50	2.40
D	0.89	1.03	0.915
F	0.45	0.60	0.535
G	1.78	2.05	1.83
H	2.80	3.00	2.90
J	0.013	0.10	0.05
K	0.890	1.00	0.975
K1	0.903	1.10	1.025
L	0.45	0.61	0.55
L1	0.25	0.55	0.40
M	0.085	0.150	0.110
a	0°	8°	--
All Dimensions in mm			

Table 3A Continued

NEW SOT23 Type DN POD

Package Outline Dimensions

SOT23 (Type DN)



SOT23 (Type DN)			
Dim	Min	Max	Typ
A	0.89	1.12	1.00
A1	0.01	0.10	0.05
b	0.30	0.51	0.45
c	0.08	0.20	0.10
D	2.80	3.04	3.00
E	2.10	2.64	2.42
E1	1.20	1.40	1.37
e	0.95 REF		
e1	1.90 REF		
L	0.25	0.60	0.30
L1	0.45	0.62	0.54
All Dimensions in mm			

Table 4 - Qualify Additional BOM (Die Attach Epoxy)

AP2111H-1.2TRG1	AP2111H-1.8TRG1	AP2111H-2.5TRG1	AP2111H-3.3TRG1	AP2114H-1.2TRG1	AP2114H-1.8TRG1
AP2114H-2.5TRG1	AP2114H-3.3TRG1	AP2114UH-2.5TRG1	AS324AMTR-E1	AS324AMTR-G1	AS324MTR-E1
AS324MTR-G1	AS339AMTR-G1	AS339MTR-E1	AS339MTR-G1		