



DATE: 27th May, 2020

PCN #: 2457

PCN Title: Qualification of Internal "Diodes Technology (Cheng Du) Company Limited" (CAT) as an Additional Assembly & Test Site, Change to Palladium Coated Copper Bond Wire, and New Mold Compound on Select Discrete Automotive 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-2457 REV 1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
27 th May, 2020	27 th August, 2020	Discrete - Automotive	Additional Assembly & Test Site / Bond Wire Material / Mold Compound / Part Top Marking	2457
TITLE				
Qualification of Internal "Diodes Technology (Cheng Du) Company Limited" (CAT) as an Additional Assembly & Test Site, and Change to Palladium Coated Copper Bond Wire, and New Mold Compound on Select Automotive Products				
DESCRIPTION OF CHANGE				
This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified additional Diodes Internal Assembly and Test site (CAT) in Chengdu, China, and qualified Palladium Coated Copper (PdCu) bond wire, and new mold compound for select Discrete automotive products listed in this PCN. Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. Refer to the attached qualification / reliability report (embedded in this file).				
IMPACT				
Continuity of Supply. No change in data sheet electrical parameters and product performance. Some packages will have top marking changes as outlined in the tables below.				
PRODUCTS AFFECTED				
Please see the attached part list below in following Tables: Table 1 - Affected Part List to add CAT as the additional A/T Site and change to PdCu wire with new mold compound. Table 2 - Affected Part List to change to new mold compound at the existing A/T site. Table 3 - Mark Code Format –SOT-223 Table 4 - Mark Code Format –SOT-323 Table 5 - Mark Code Format –SOT-523 Table 6 - Mark Code Format –SSOT-23 Table 7 - Mark Code Format –TSOT23-6 Table 8 - Mark Code Format –SOT-363				
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			
Data Sheet:	http://www.diodes.com/products			
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 - Affected Part List to add CAT as the additional A/T Site and change to PdCu wire and new mold compound					
2N7002AQ-13	ADTA144EUAQ-13	BAT54STQ-7-F	DMN65D8LDWQ-7	DMP2035UVTQ-7	FZT489QTA
2N7002AQ-7	ADTA144EUAQ-7	DMN65D8LDWQ-13	DMP2035UVTQ-13	DMP2225LQ-7	

Table 2 – Affected Part List to change to new mold compound at the existing A/T Site					
ASMCC0197Q-7					

Table 3 - Mark Code Format –SOT-223

SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China) Add “-”on Y for CAT site
Marking format example	Marking format example

Table 4 - Mark Code Format –SOT-323

SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China) Add “-”on Y for CAT site
Marking format example	Marking format example

Table 5 - Mark Code Format –SOT-523

SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China) Add “-”on Y for CAT site
Marking format example	Marking format example

Table 6 - Mark Code Format –SSOT-23

SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China) Add “-”on Y for CAT site
Marking format example	Marking format example

Table 7 - Mark Code Format –TSOT23-6

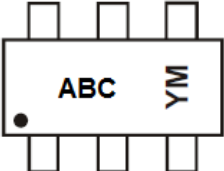
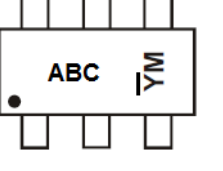
SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China) Add “-”on Y for CAT site
Marking format example	Marking format example
	

Table 8 - Mark Code Format – SOT-363

SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China) Add “-”on Y for CAT site
Marking format example	Marking format example
