

Product/ Process Change Notification

1. PCN No.:	QPCN12006		
2. Subject:	DO-201AD (SKY) 3A, 5A & 8A series rectifiers, dimple shape/dimension change		
3. To:	All customers involved		
4. Issued by:	Owen Wang		
5. Issue date:	27 th Mar. 2012		
6. Proposed first ship date for change:	2 nd Jul. 2012		
7. Affected Product Identification			
1. 1N5820 thru 1N5822 rectifiers 2. SR302 thru SR320 rectifiers 3. SR502 thru SR520 rectifiers 4. SR802 thru SR815 rectifiers More details please see Appendix A – Die size type			
8. Change Description : (OLD Vs. NEW Comparison)			
Old:		New:	
Dimple dimension:		Dimple dimension:	
	E(mm)	F(mm)	θ1(°)
55mil	0.96~1.06	1.85~1.95	42~48
61mil	1.07~1.17	2.03~2.13	42~48
68mil	1.23~1.33	2.37~2.47	42~48
76mil	1.45~1.55	2.65~2.75	42~48
	E(mm)	F(mm)	θ1(°)
55mil	0.65~0.75	1.95~2.04	29~32
61mil	0.80~0.90	2.15~2.25	29~32
68mil	0.95~1.05	2.40~2.50	29~32
76mil	1.13~1.23	2.70~2.80	29~32
9. Reason for change:			
Dimple shape/dimension change for soldering process optimization.			
11. Anticipated Impact: (form, fit, function, quality or reliability)			
1. Product outline:		No change	
2. Inner construction changed:		(Please see Appendix B – Dimple dimension)	
3. Electrical specifications:		No change	
4. Reliability performance:		No change	
5. Data sheet:		No change	
6. Packing code (order code):		No change	
12. Qualification plan/result:			
Refer to			
PPAP		Available on demand	
Comparison report		Available on demand	
13. Sample availability Date:		Apr. 2012	
14. Tentative implementation date:		2 nd May 2012	
15. Remarks			
16. Customer feedback required latest: (should we receive no feedback; the change will be deemed as accepted!)		2nd May 2012	
17. Approved by:		Quayer Chen	

Product/ Process Change Notification Customer Approval Form_QPCN12006

(Please tick the field what is valid for you!)

<input type="checkbox"/>	We agree with this proposed change and its schedule.
<input type="checkbox"/>	We have objections
<input type="checkbox"/>	We need more information:
<input type="checkbox"/>	We need sample:
Company:	
Name:	
Address:	
Signature:	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;">Date:</div> <div style="width: 40%;"></div> </div>

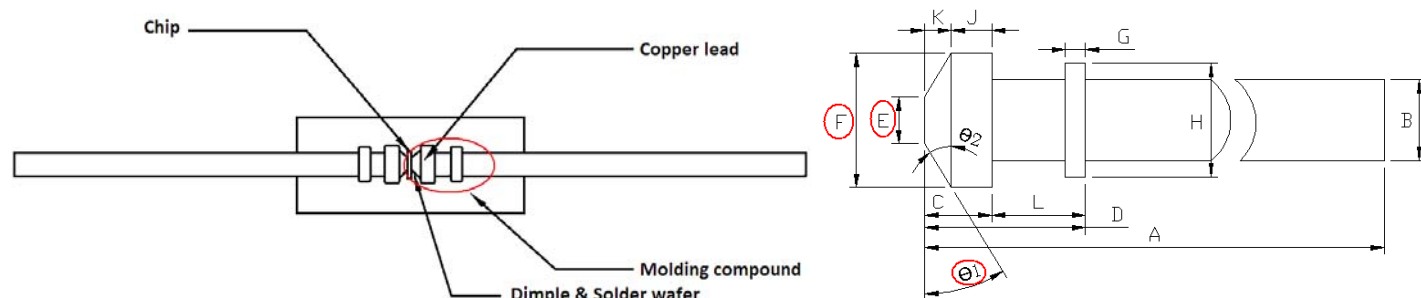
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Appendix

A (Affected Product Identification): by Die size type

55mil	61mil	68mil	76mil
1N5822	1N5820	SR502	SR802
SR302	1N5821	SR503	SR803
SR303		SR504	SR804
SR304		SR505	SR805
SR305		SR506	SR806
SR306		SR509	SR809
SR309		SR510	SR810
SR310		SR515	SR815
SR315		SR520	
SR320			

B (Inner construction changed): by dimple dimension



	E		F		θ1	
	Old(mm)	New(mm)	Old(mm)	New(mm)	Old(°)	New(°)
55mil	0.96~1.06	0.65~0.75	1.85~1.95	1.95~2.04	42~48	29~32
61mil	1.07~1.17	0.80~0.90	2.03~2.13	2.15~2.25	42~48	29~32
68mil	1.23~1.33	0.95~1.05	2.37~2.47	2.40~2.50	42~48	29~32
76mil	1.45~1.55	1.13~1.23	2.65~2.75	2.70~2.80	42~48	29~32