



工程變更客戶通知單

Engineering Change Customer Notification

ECR/ECN 單號： ECR/ECN Number:	ECR-19-8-040	
日期： Date:	2019/07/04	
變更者/郵箱： Author/Mail	RD	whsieh@taoglas.com
	ME	
客戶端工程變更需求確認：(signature) EC request confirmation by customer	請於 10 工作日內簽回，若超過 10 日未簽回將視為同意此變更 Please sign back within 10 working days, if you do not sign back within 10 working days, you will be deemed to agree to this change.	
客戶端工程變更完成確認：(signature) EC completion confirmation by customer	請於 10 工作日內簽回，若超過 10 日未簽回將視為已確認 Please sign back within 10 working days. if you do not sign back within 10 working days, it will be deemed as confirmed.	

1. 影響產品 Affected Products

產品類別 Product Category	零件編號 Part Number
MA231.LBC.004.fo	MA231.LBC.004.fo
MA203.A.AB.058	MA203.A.AB.058
MA231.LBC.005	MA231.LBC.005
MA231.LBC.008	MA231.LBC.008
AA.105.151111	AA.105.151111
MA231.LBC.002	MA231.LBC.002
MA750.B.ABICG.003	MA750.B.ABICG.003
AA.105.501111	AA.105.501111
AA.105.501F21.eu	AA.105.501F21.eu
AA.105.501II21	AA.105.501II21
AA.105.301111	AA.105.301111
AA.108.351A11	AA.108.351A11
AA.105.501F21.ho	AA.105.501F21.ho
AA.108.0151111	AA.108.0151111

2. 變更訊息 Information of change

變更類型 Type of Change	<input type="checkbox"/> 工程設計變更 Engineering Design Change		<input checked="" type="checkbox"/> 生產製程變更 Production Process improvement	
	<input type="checkbox"/> 其他: Others			
變更原因 Reason for change	RD	Material change		
	ME			
變更說明 Description of Change	RD	1. Vendor announced PCN: IC model NEC 2SC5508 currently EOL, change to BFP410. Attached vendor PCN and test data. 2. Electrical properties and dimensions are not affected after change.		
	ME			
變更影響 Impact of change	<input type="checkbox"/> 外觀 Appearance <input type="checkbox"/> 功能 Function <input type="checkbox"/> 規格 Specification <input type="checkbox"/> 品質 Quality <input type="checkbox"/> 可靠度 Reliability <input type="checkbox"/> 法規 Regulations <input type="checkbox"/> 包裝 Package: <input checked="" type="checkbox"/> 其他 Others: Material change			
	上述影響描述: Describe if above applies :	RD	1. Vendor announced PCN: IC model NEC 2SC5508 currently EOL, change to BFP410. Attached vendor PCN and test data. 2. Electrical properties and dimensions are not affected after change.	
		ME		
預估轉換日期 Forecast Estimated Transition Date	Last buy (old product)	JUN. / 2019		
	New buy (new product)	JUL. / 2019		

3. 計劃表
Schedule

4. 變更圖例

Illustration of Change

1. 變更前 Before (Electrical)

<u>電性 Electrical</u>																																							
<input checked="" type="checkbox"/> Return loss <input type="checkbox"/> VSWR <input type="checkbox"/> Smith chart <input type="checkbox"/> Isolation <input type="checkbox"/> Efficiency <input type="checkbox"/> Average gain <input type="checkbox"/> Peak gain <input type="checkbox"/> LNA gain <input checked="" type="checkbox"/> S21 or S22 <input type="checkbox"/> Out-band <input type="checkbox"/> Rejection <input type="checkbox"/> Noise	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Frequency</th> <th rowspan="2">Current (mA)</th> <th colspan="2">1575.42MHz</th> <th colspan="2">1602MHz</th> </tr> <tr> <th>S21 Gain (dB)</th> <th>S22 Return loss</th> <th>S21 Gain (dB)</th> <th>S22 Return loss</th> </tr> </thead> <tbody> <tr> <td>No.1</td> <td>8.85</td> <td>28.68</td> <td>-12.52</td> <td>29.86</td> <td>-15.94</td> </tr> <tr> <td>No.2</td> <td>8.79</td> <td>28.46</td> <td>-13.71</td> <td>29.52</td> <td>-16.05</td> </tr> <tr> <td>No.3</td> <td>10.11</td> <td>28.66</td> <td>-13.27</td> <td>29.04</td> <td>-13.57</td> </tr> <tr> <td>Average</td> <td>9.25</td> <td>28.60</td> <td>-13.17</td> <td>29.47</td> <td>-15.19</td> </tr> </tbody> </table>					Frequency	Current (mA)	1575.42MHz		1602MHz		S21 Gain (dB)	S22 Return loss	S21 Gain (dB)	S22 Return loss	No.1	8.85	28.68	-12.52	29.86	-15.94	No.2	8.79	28.46	-13.71	29.52	-16.05	No.3	10.11	28.66	-13.27	29.04	-13.57	Average	9.25	28.60	-13.17	29.47	-15.19
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