

**M/A-COM Technology Solutions, Inc.**

4 East Gate Road,  
Little Island,  
Co. Cork,  
Ireland.  
www.macomtech.com



July 8th, 2016

Digi-Key Corporation  
701 Brooks Ave South  
Thief River Falls, Minnesota 56701

ATTN: Quality/Purchasing Manager

**Subject: Lead-Free (RoHS 6of6) conversion**

**PCN-00893**

Dear Valued Customer:

Please accept this PCN letter as formal notification for the change of M/A-COM Technology Solutions part number(s) shown below.

The device(s) listed on this page are the affected device(s).

According to our records, one or more of these devices has been purchased by your company within the past twenty-four (24) months.

**M/A-COM Part Number(s):**

MACP-009011-C80370  
MABA-009180-500MHz

Technical details of this change notice follow on the next page(s).

Please contact me if you have any questions.

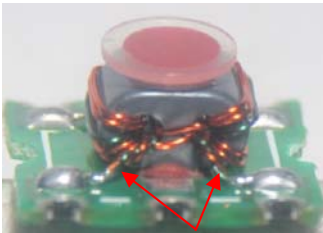
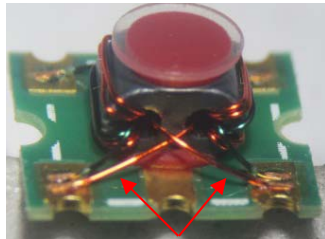
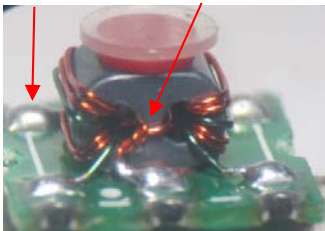
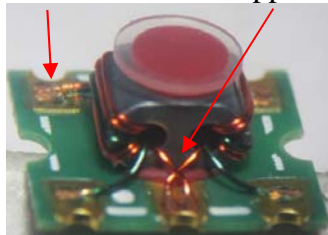
Sincerely,

**Alan Miller**

Product Line Manager (CATV)  
M/A-COM Technology Solutions  
Cell: +978-427-7482

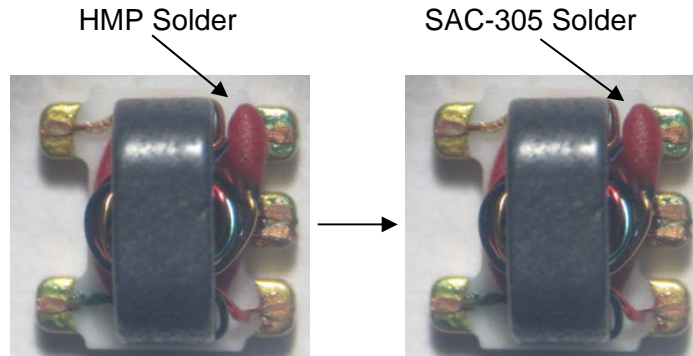
Email: [alan.miller@macom.com](mailto:alan.miller@macom.com)

***M/A-COM TECHNOLOGY SOLUTIONS CONFIDENTIAL & PROPRIETARY***

<b>PCN Number: 00893</b>		<b>PCN Date:</b>	<b>July 8th, 2016</b>
<b>Title: Lead-free conversion of MACOM part numbers listed.</b>			
<p>Change is to convert to RoHS compliant.</p> <p><b>MACP-009011-C80370: Wire attach from HMP solder to Wire Weld, Central Wires untapped.</b></p> <p><b>MABA-009180-500MHZ: HMP solder to SAC-305 solder on floating tap.</b></p>			
<b>Proposed 1st Ship Date:</b>		<b>Estimated Sample Availability:</b>	
October 8th, 2016		50 samples of each available immediately if required.	
<b>Change Type:</b>			
Assembly Site	Design	Electrical Specification	
Test Site	Assembly Process X	Mechanical Specification	
Test Process	Assembly Materials X	Packing/Shipping/Labeling	
<b>PCN Details</b>			
<b>Description of Change:</b>			
<p>MACP-009011-C80370</p> <p>These parts currently use HMP solder on the wire connections. In order to make these parts fully RoHS compliant and Pb-free the HMP will be replaced with weld connections. The central wires will be untapped for assembly optimization purposes. The transformers will have the same fit and function with a slight modification to form.</p>			
 <p>Solder - Wire tapped</p>		 <p>Weld - Wire untapped</p>	
			

**MABA-009180-500MHz**

These parts currently use HMP solder on the floating tap wire connection. In order to make these parts fully RoHS compliant and Pb-free the HMP will be replaced with SAC-305 solder. The transformers will have the same form, fit and function.



**Reason for Change:**

To comply with market request for product to be RoHS compliant and lead-free.

**Products Affected:**

MACP-009011-C80370  
MABA-009180-500MHz

**Anticipated impact on Fit, Form, Function:**

Slight modification on Form for MACP-009011-C80370  
None for MABA-009180-500MHz

**Changes to product identification resulting from this PCN:**

None

**Qualification: Test Results**

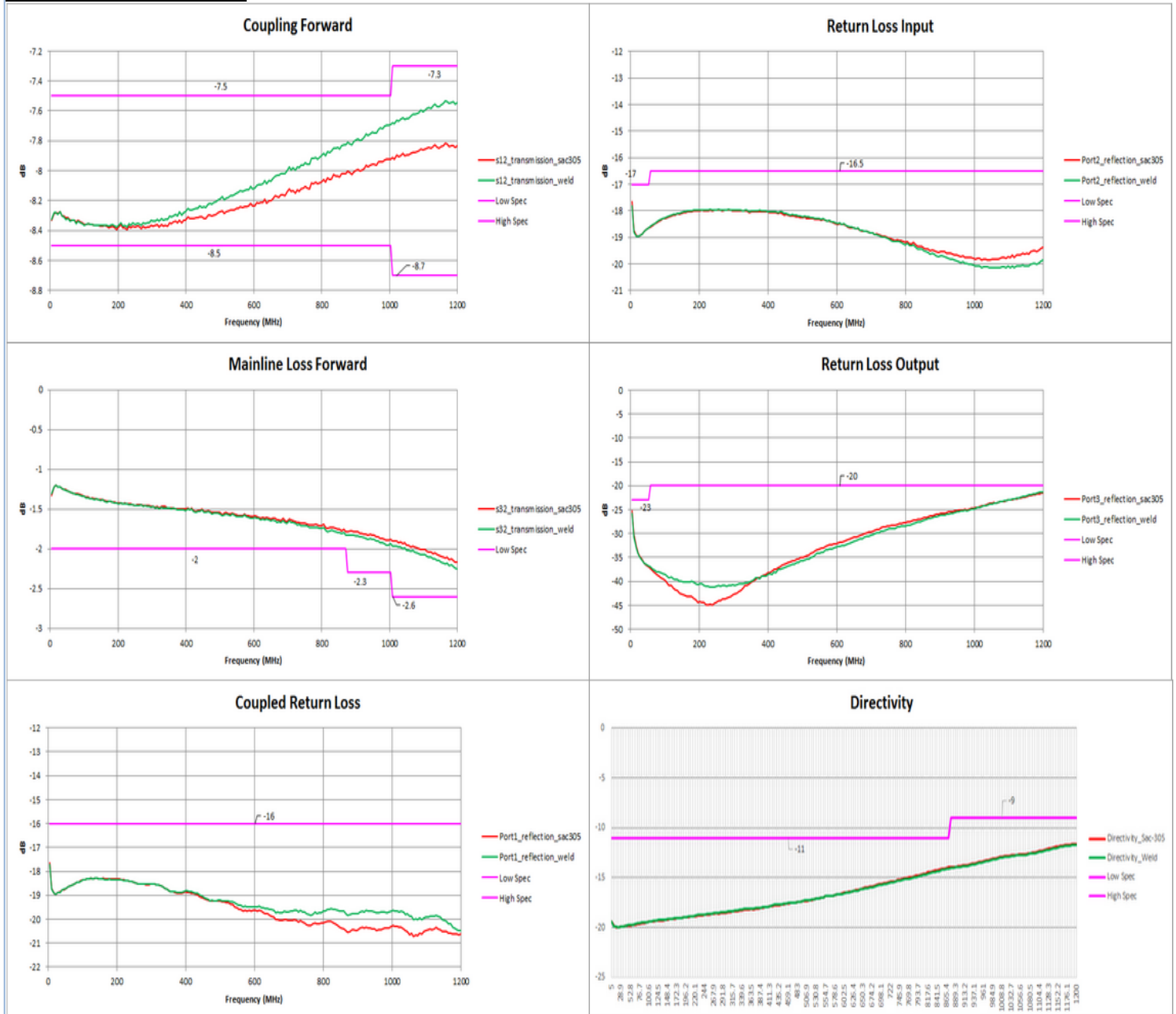
**Comparative** test results – Product assembled with HMP solder and SAC305 solder in the wire-tap connection.

See Appendix I: MABA-007488-CT9550 Test Data.

See Appendix II: MABA-009180-500MHz Test Data.

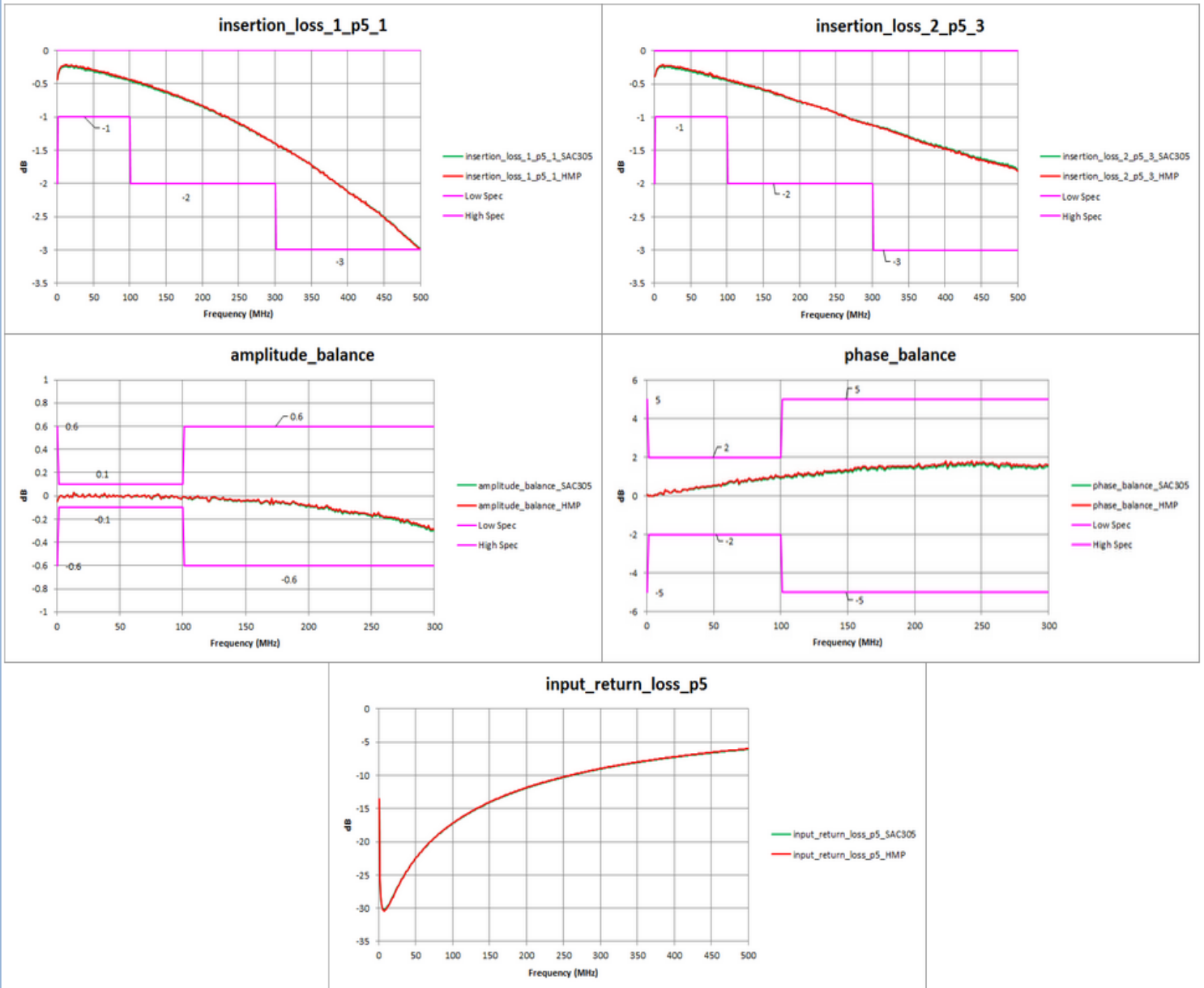
Appendix I

MACP-009011-C80370



Appendix II

**MABA-009180-500MHz**



IRL has no DS spec.