

MACOM

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www.macom.com



Feb 10th, 2022

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

ATTN: Quality/Purchasing Manager

Subject: Alternative Core Supplier.

PCN-01508

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.

M/A-COM Part Number(s):

- **MACP-011014**
- **MAPD-011039**

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

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

If there are any questions about this communication, please contact your local M/A-COM sales representative.

Sincerely

Aidan Mulcahy
Product Marketing Manager
aidan.mulcahy@macom.com

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PCN Number: PCN-01508		PCN Date: Feb 10 th , 2022
Title: Alternate Core supplier.		
Proposed 1st Ship Date: Apr 2022		Estimated Sample Availability: Samples available upon request
Change Type:		
Assembly Site	Design	Electrical Specification
Test Site	Assembly Process	Mechanical Specification
Test Process	Assembly Materials X	Packing/Shipping/Labeling
PCN Details		
Description of Change:		
MACOM has identified a second source for the core used on MACP-011014, MAPD-011039. There is no change to the form, fit, materials, or performance of the device as a result of this change.		
Current Core	MACP-011014	Alternative Core

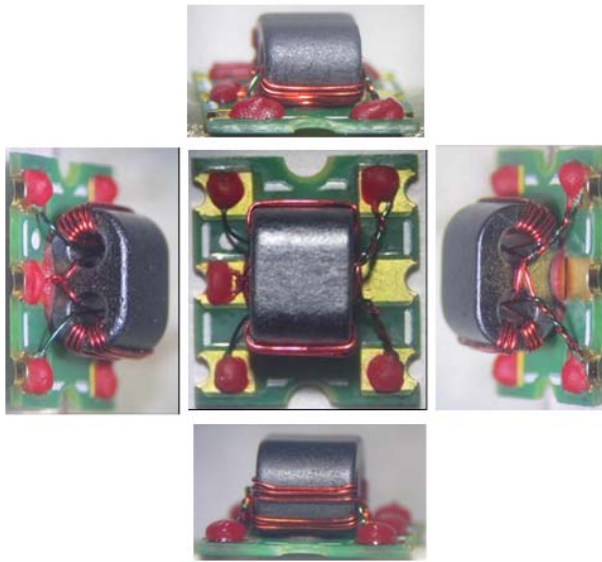
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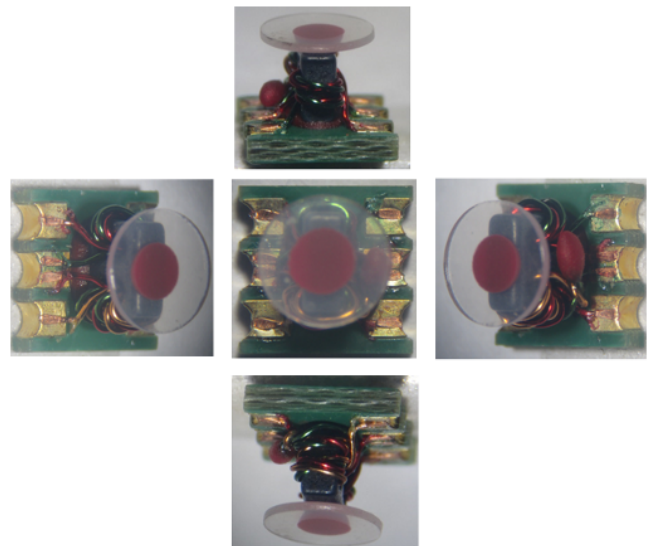
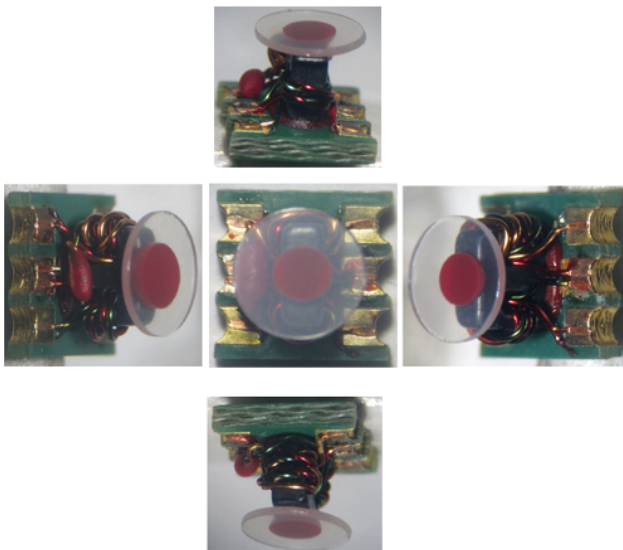
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MACOM™

Partners from RF to Light



MAPD-011039

**Reason for Change:**

Alternate ferrite core supplier to be used to ease supply challenges and to support continuity of supply. This

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effort is to maintain MACOM's ability to supply this component.

Products Affected:

MACP-011014, MAPD-011039

Anticipated impact on Fit, Form, Function:

Form, Fit and Function unaffected.

Changes to product identification resulting from this PCN:

None

Qualification: Test Results

A comparative analysis was performed which showed no significant shift in electrical parameters between MACP-011014, MAPD-011039 using the current and second source supplied core.

Appendix I: MACP-011014 Electrical test data at 25°C as per datasheet

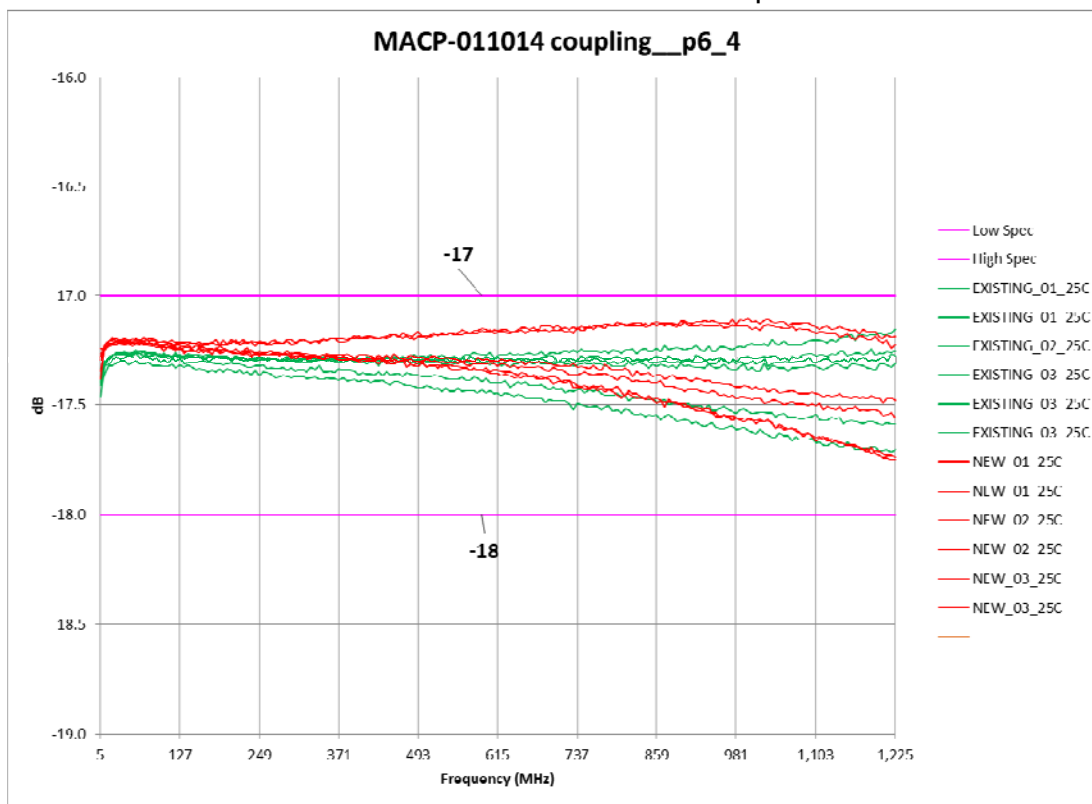
Appendix II: MACP-011014 Over Temperature Comparision Test Data

Appendix III: MAPD-011039 Electrical test data at 25°C as per datasheet

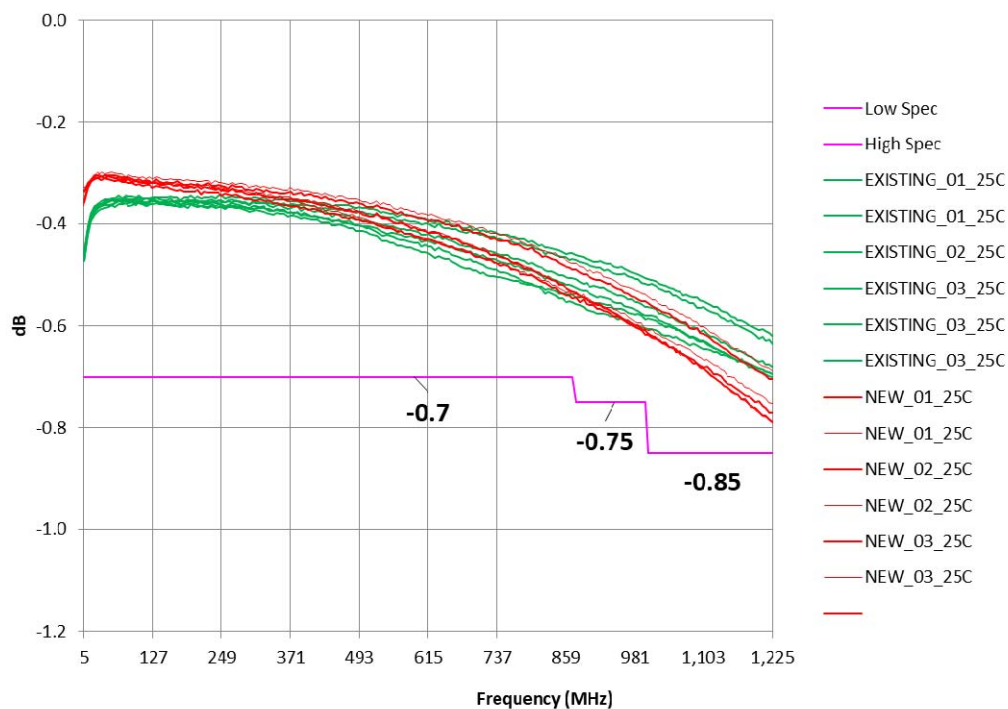
Appendix IV: MAPD-011039 Over Temperature Comparision Test Data

Appendix I

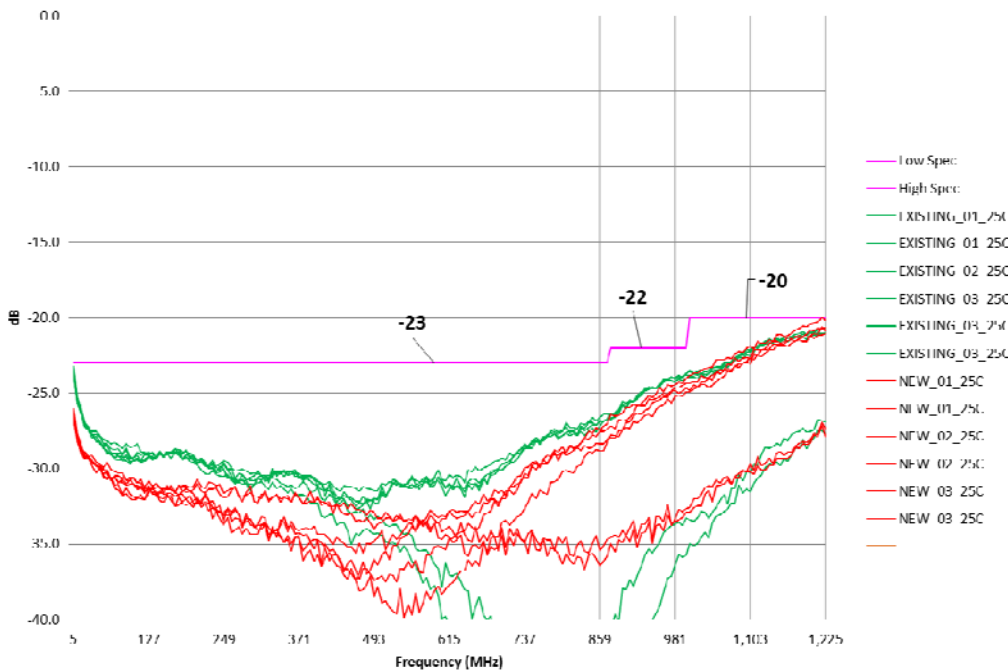
MACP-011014 Electrical test data at 25°C as per datasheet

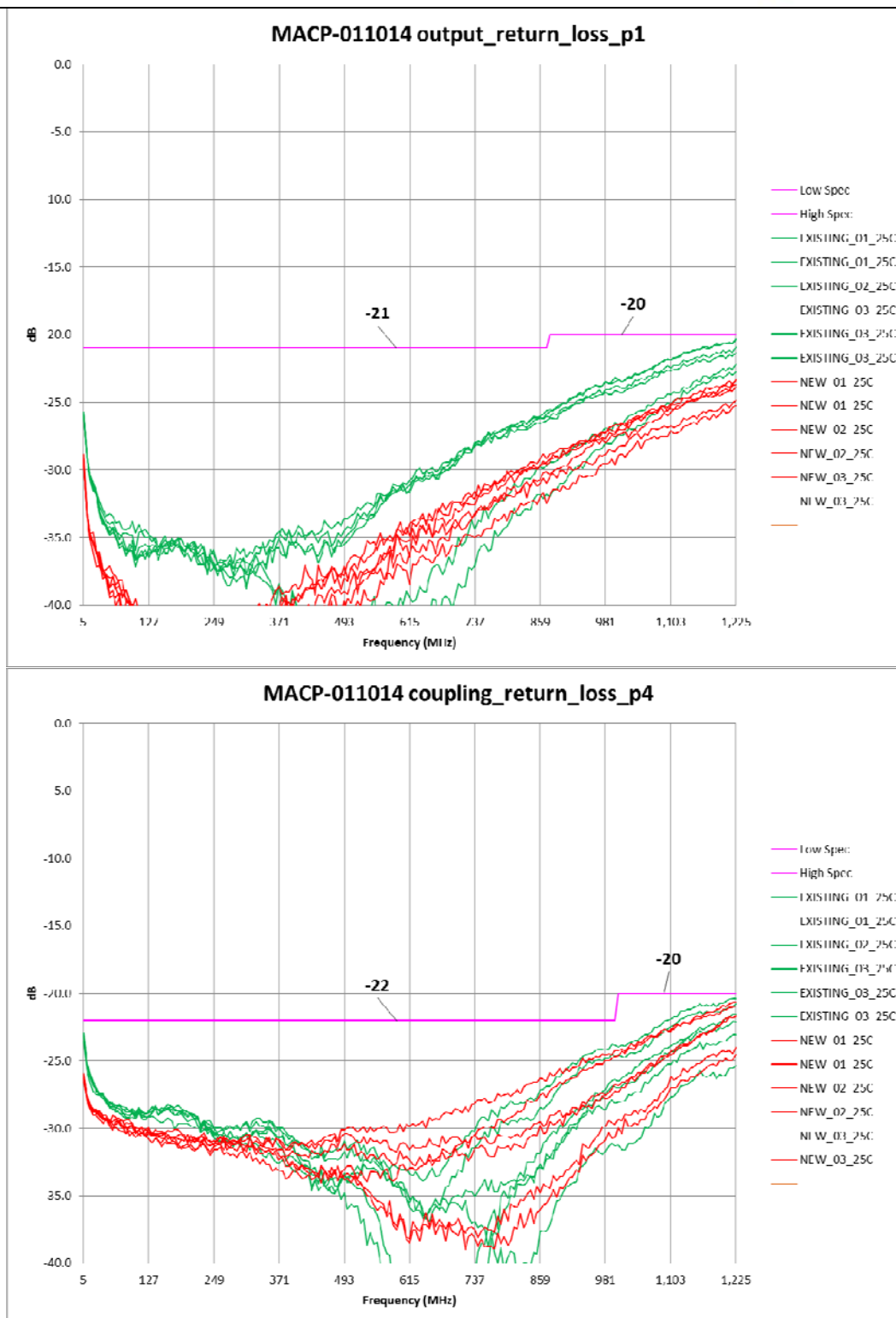


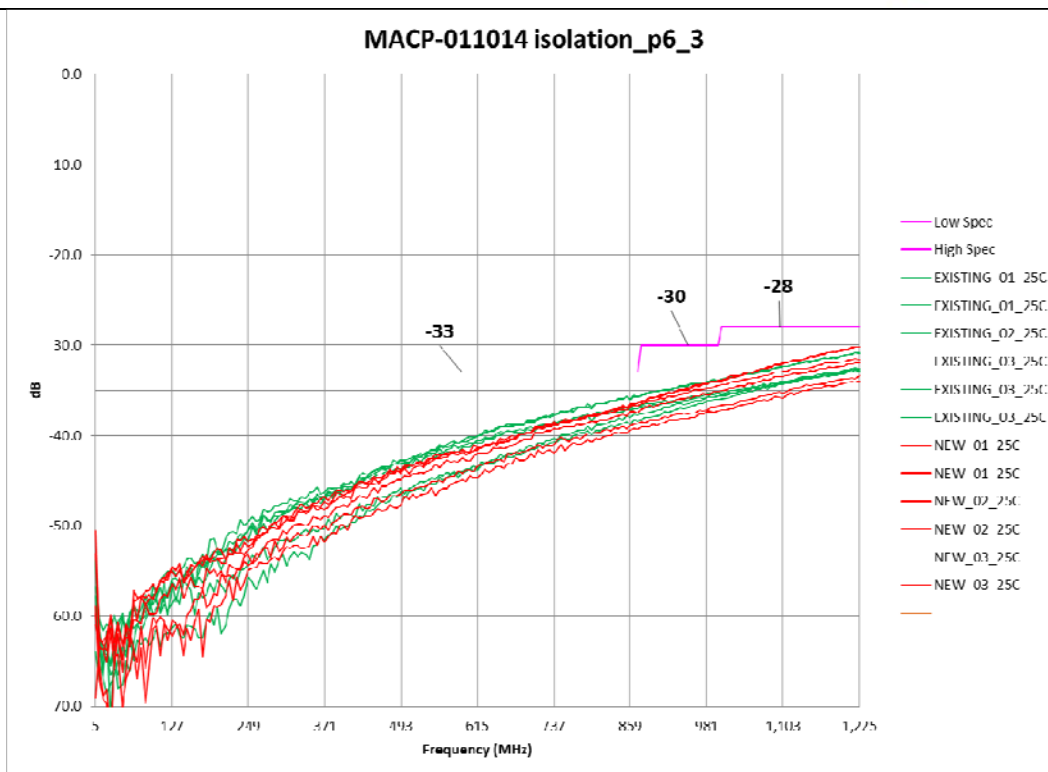
MACP-011014 main_line_loss_p6_1



MACP-011014 input_return_loss_p6

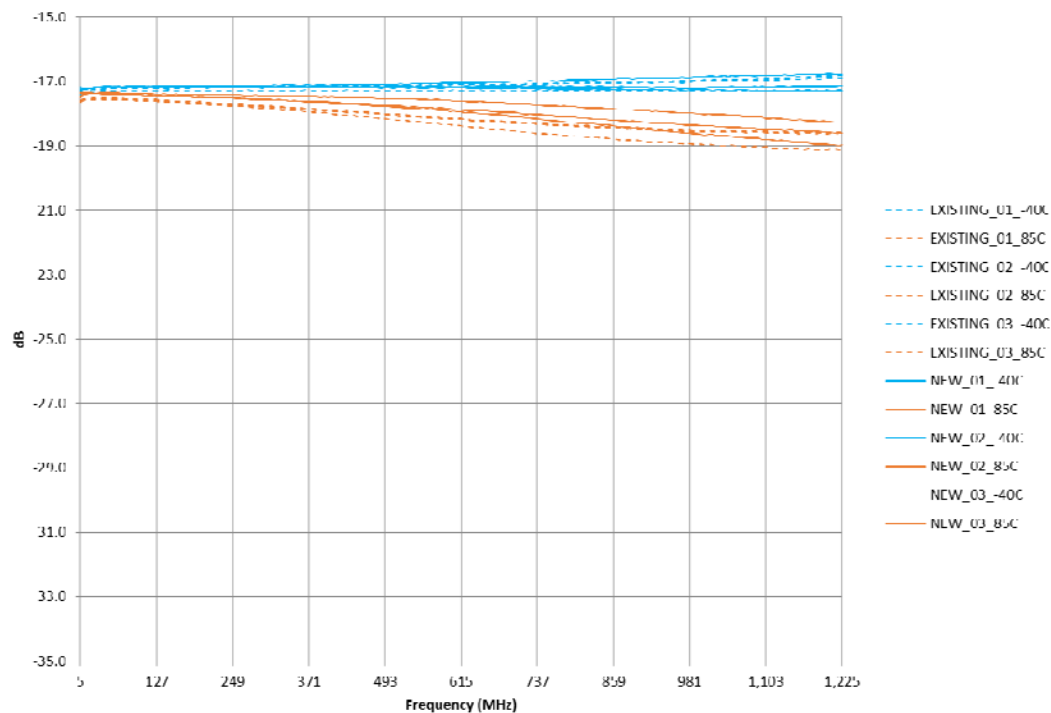




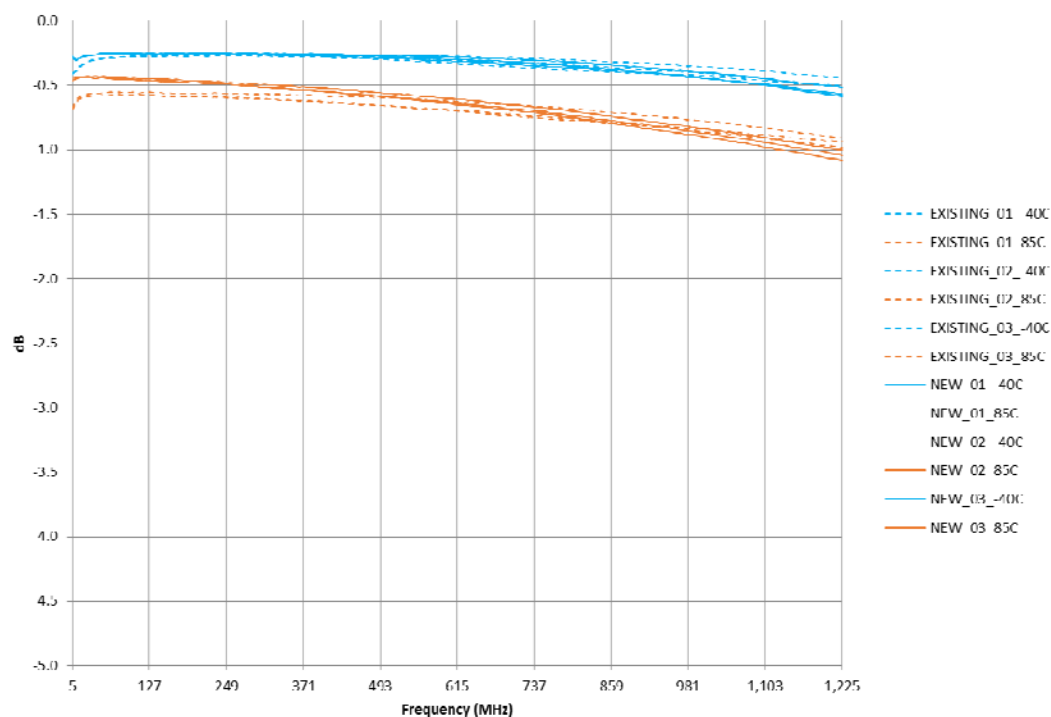


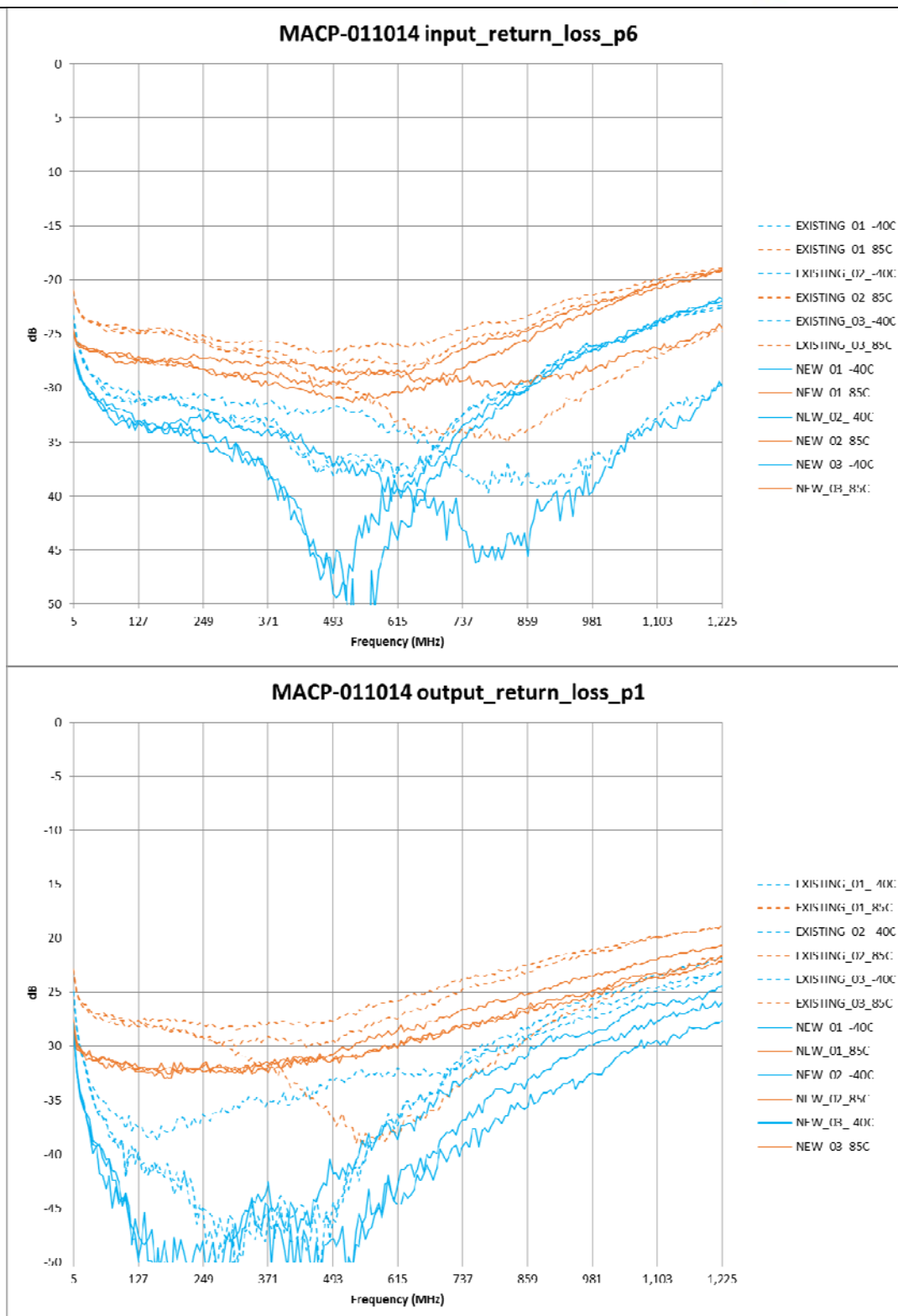
Appendix II: MACP-011014 Over Temperature Comparison Test Data

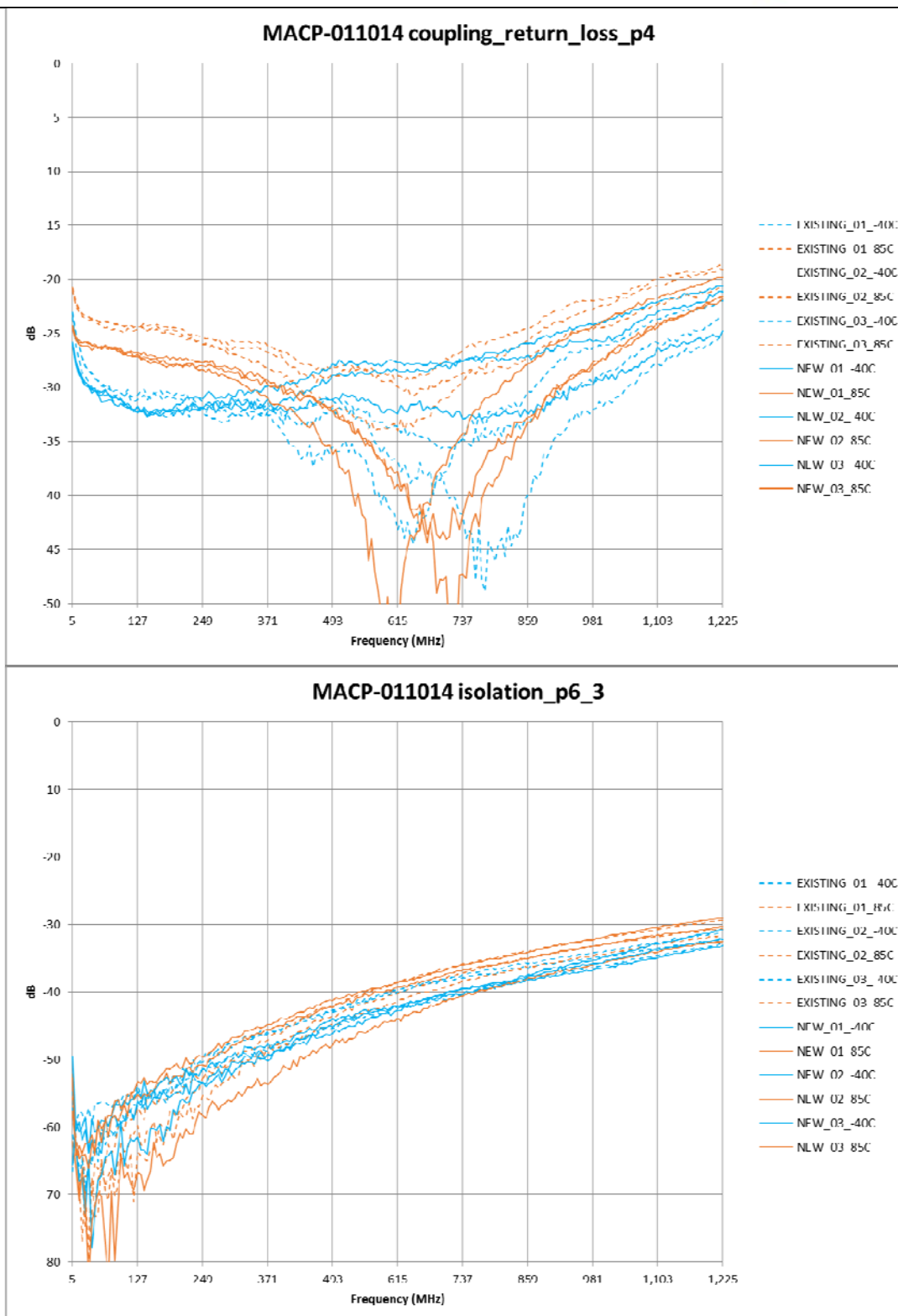
MACP-011014 coupling__p6_4



MACP-011014 main_line_loss__p6_1



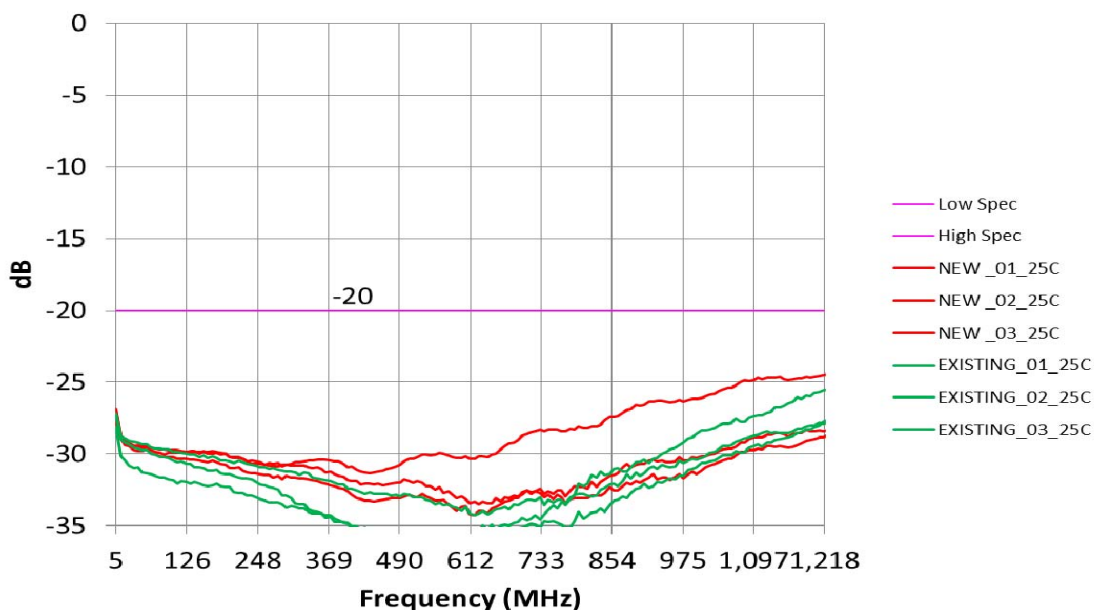




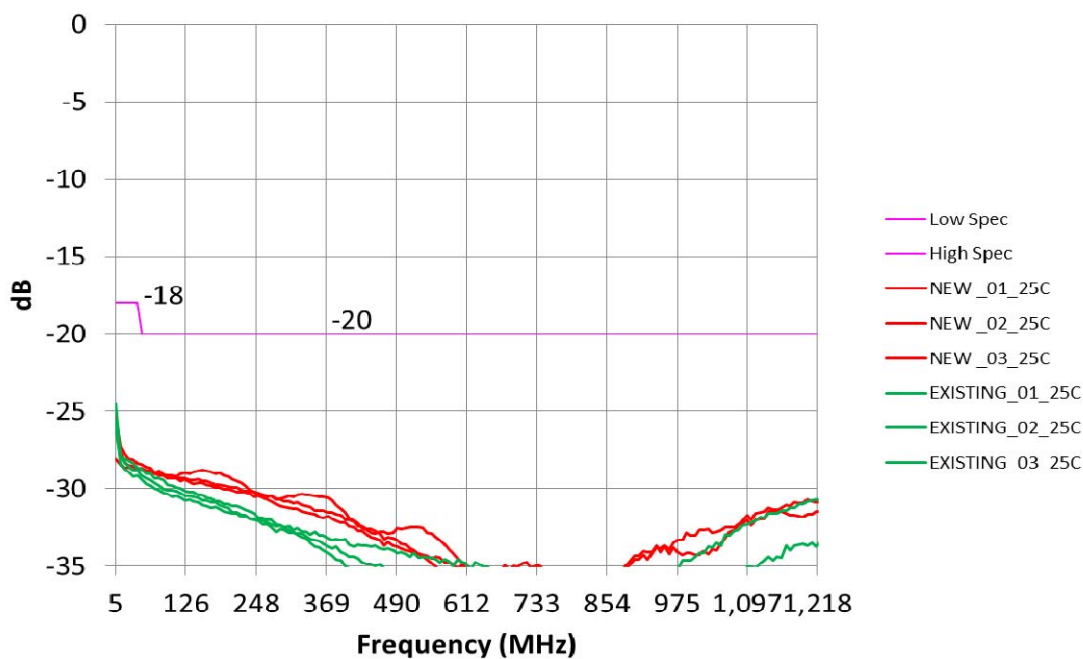
Appendix III

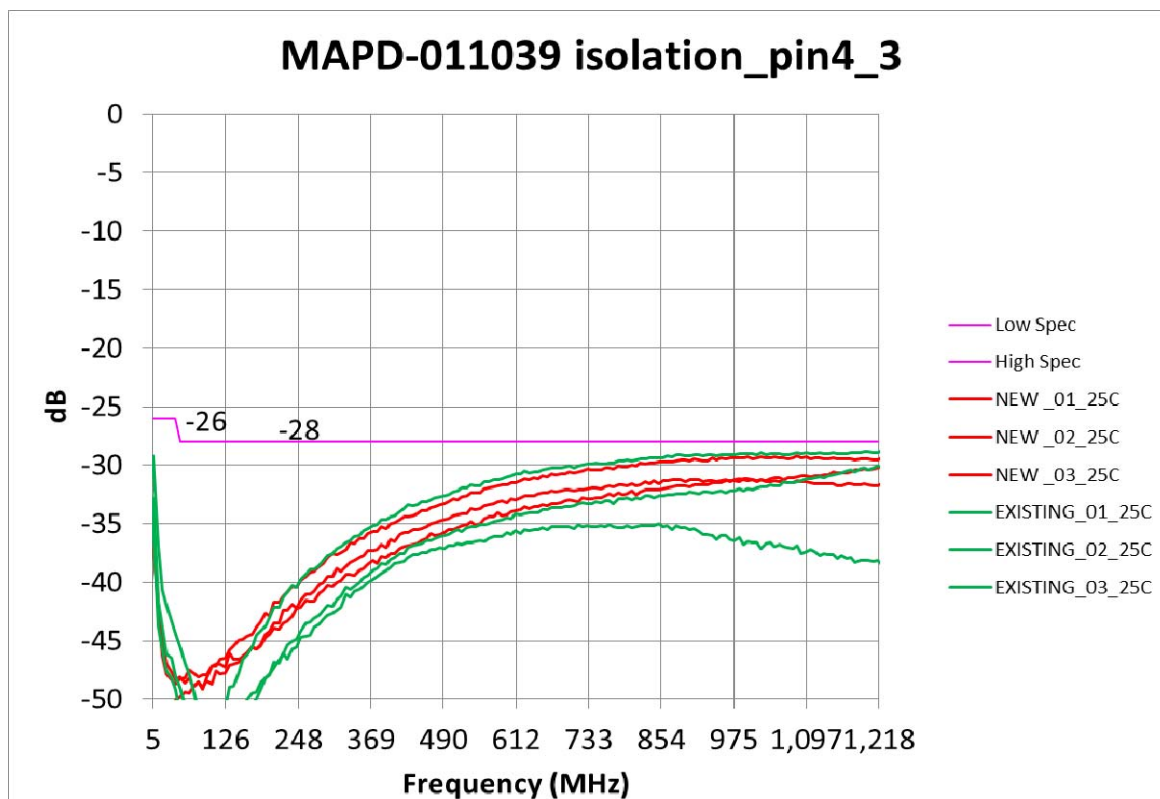
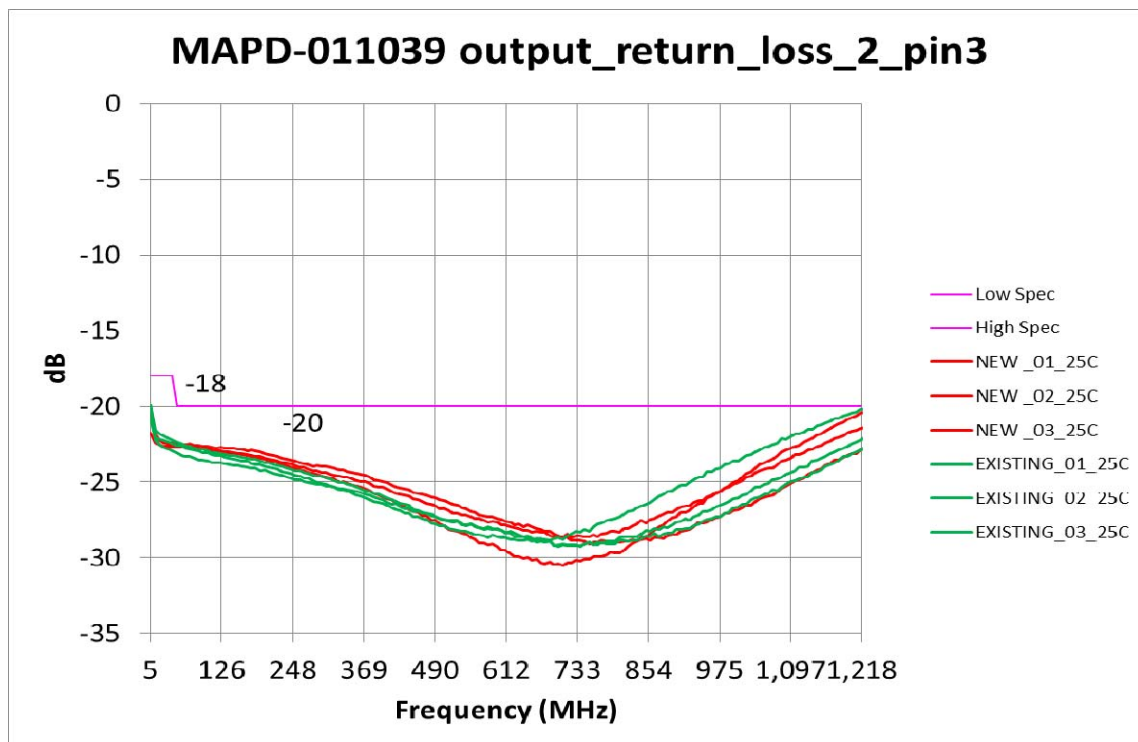
MAPD-011039 Electrical test data at 25°C as per datasheet

MAPD-011039 input_return_loss_pin6



MAPD-011039 output_return_loss_1_pin4





Appendix IV:

MAPD-011039 Over Temperature Comparison Test Data

