

MACOM

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www.macom.com



Jul 20th, 2022

Richardson RFPD, Inc.
1950 S. Batavia Ave, Suite 100
Geneva, Illinois 60134

ATTN: Quality/Purchasing Manager

Subject: Alternative Core Supplier.

PCN-01567

Dear Valued Customer:

Please accept this PCN letter as formal notification for the change of MACOM Technology Solutions part number(s) shown below.

MACOM Part Number(s):

- **ETC1-1T-2TR**
- **MACP-007741-CG09E0**

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 MACOM sales representative.

Sincerely

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

PCN Number: PCN-01567

PCN Date: Jul 15th, 2022

Title: Alternate Core supplier for P/N ETC1-1T-2TR & MACP-007741-CG09E0.

Proposed 1st Ship Date:

Oct 1st, 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

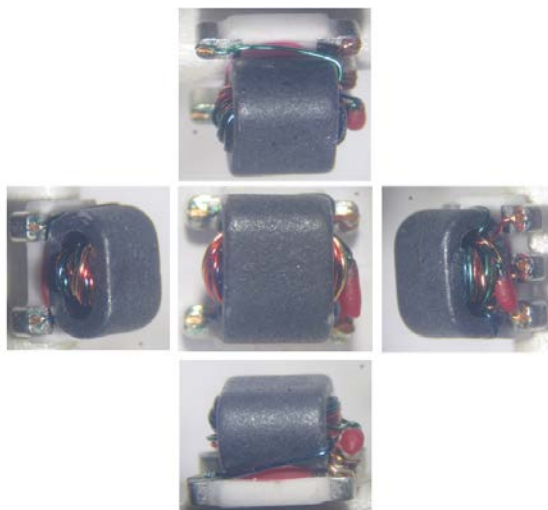
PCN Details

Description of Change:

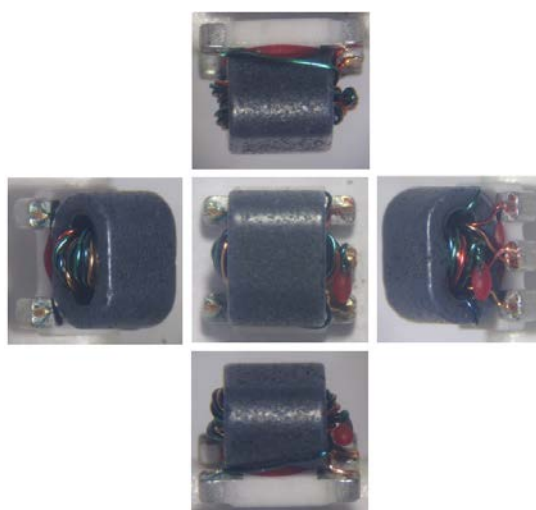
MACOM has identified a second source for the core used on ETC1-1T-2TR & MACP-007741-CG09E0. There is no change to the form, fit, materials, or performance of the device as a result of this change.

ETC1-1T-2TR

Current Core



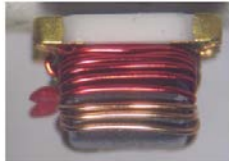
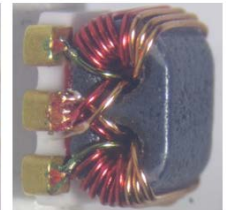
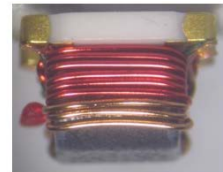
Alternative Core



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MACOMTM*Partners from RF to Light***MACP-007741-CG09E0****Current Core****Alternative Core****Reason for Change:**

Alternate ferrite core supplier to be used to ease supply challenges and to support continuity of supply. This effort is to maintain MACOM's ability to supply this component.

Products Affected:

- ETC1-1T-2TR
- MACP-007741-CG09E0

Anticipated impact on Fit, Form, Function:

Form, Fit and Function unaffected.

Changes to product identification resulting from this PCN:

None

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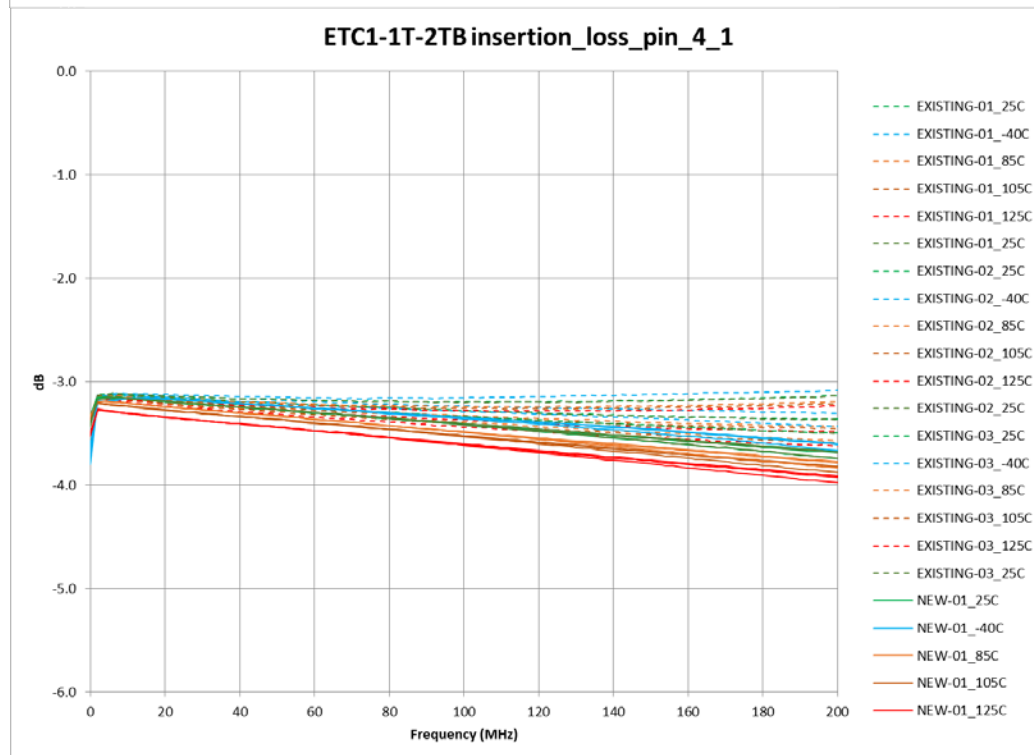
**Qualification: Test Results**

A comparative analysis was performed which showed no significant shift in electrical parameters between transformers using the current and second source supplied core.

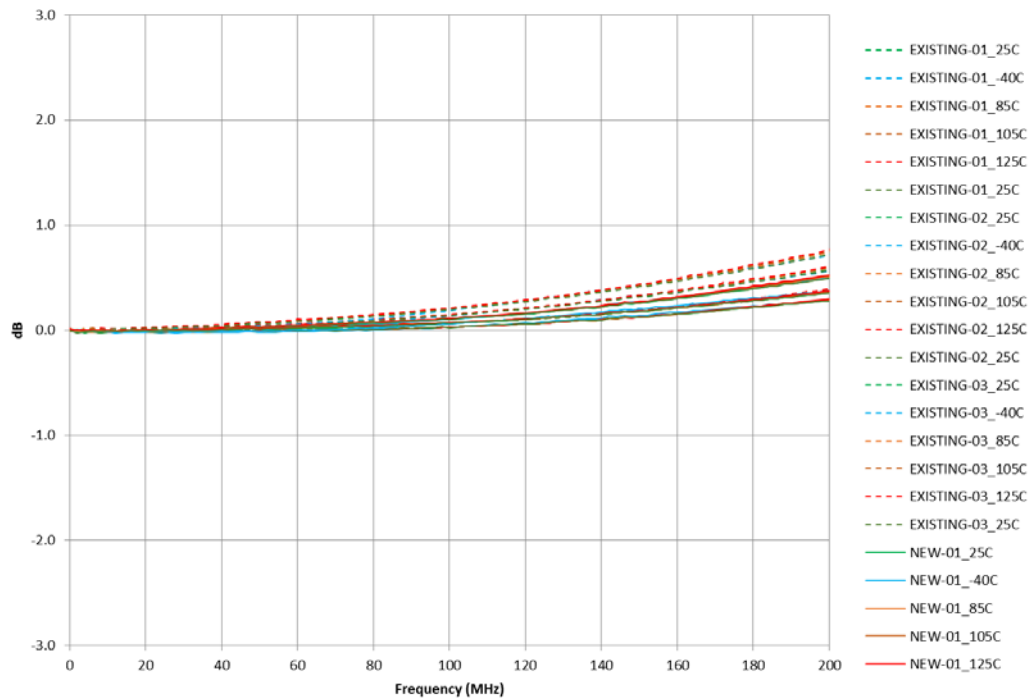
Appendix I: ETC1-1T-2TR Over Temperature Comparison Test Data

Appendix II: MACP-007741-CG09E0 Over Temperature Comparison Test Data

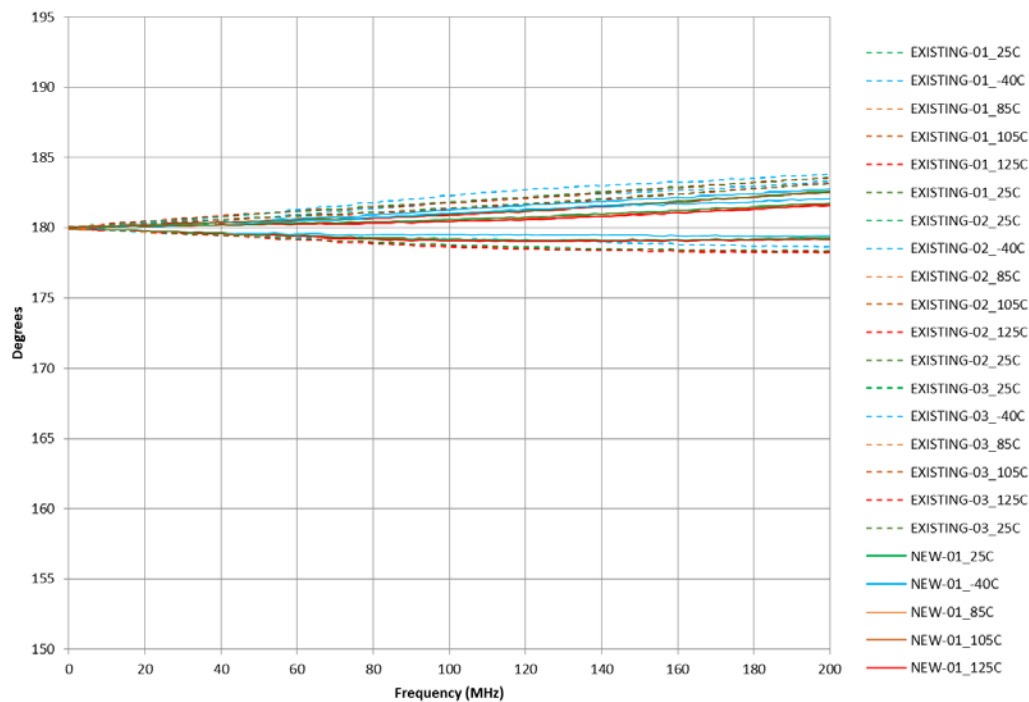
ETC1-1T-2TR Over Temperature Comparision Test Data



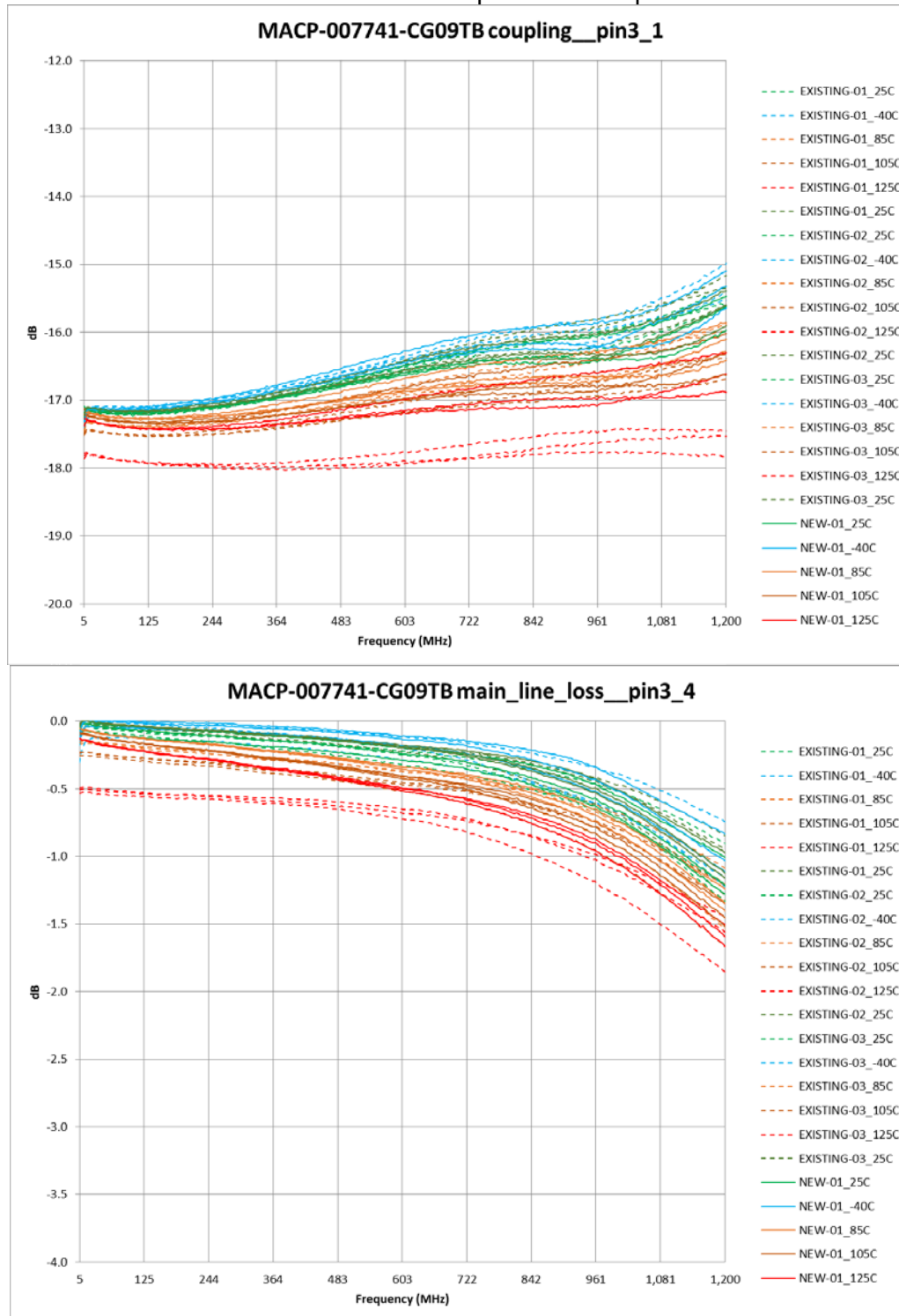
ETC1-1T-2TB amplitude_balance



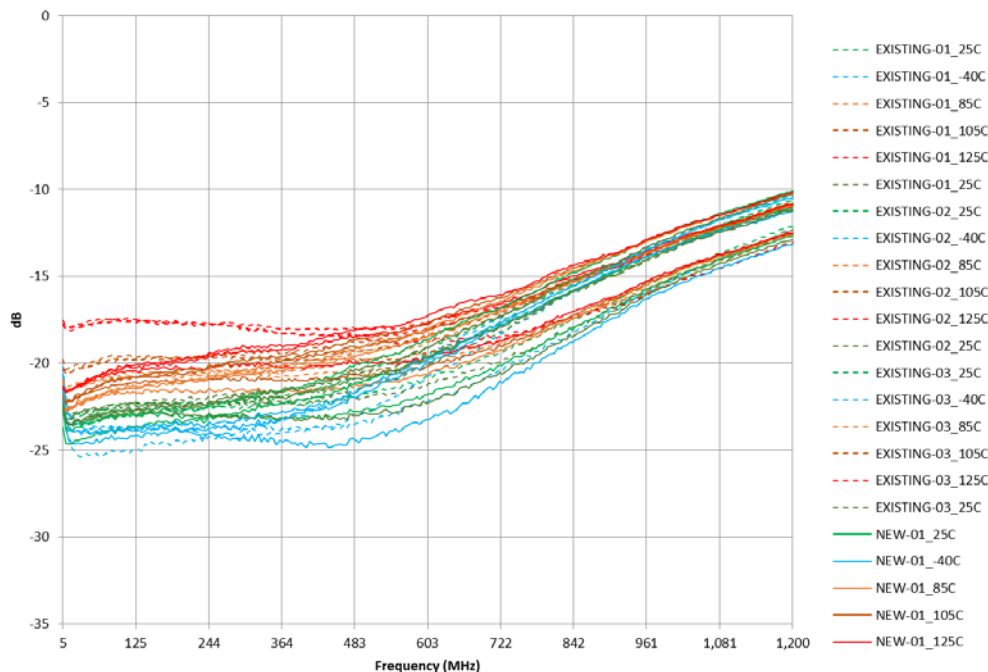
ETC1-1T-2TB phase_balance



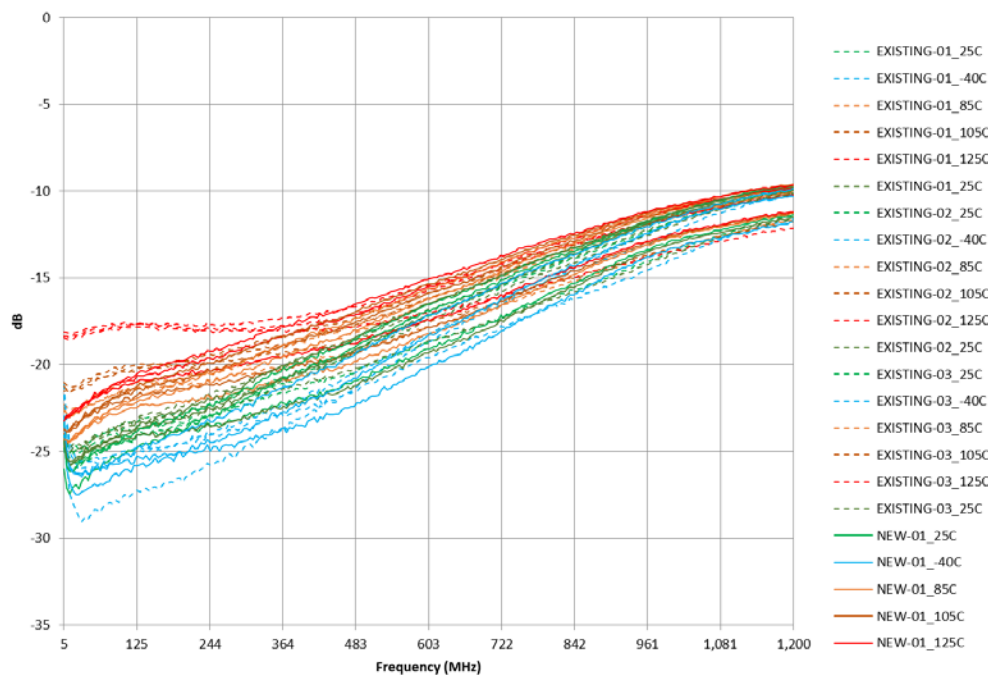
Appendix II:
 MACP-007741-CG09E0 Over Temperature Comparison Test Data



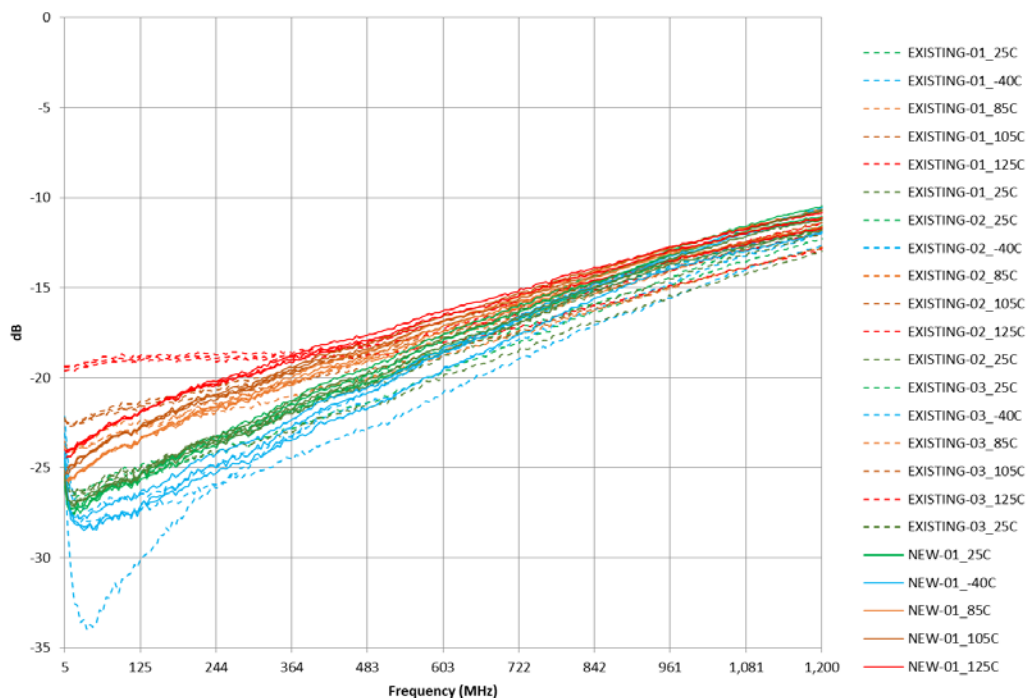
MACP-007741-CG09TB input_return_loss_pin3



MACP-007741-CG09TB output_return_loss_pin4



MACP-007741-CG09TB coupling_return_loss_pin1



MACP-007741-CG09TB isolation_pin3_5

