

MACOM

100 Chelmsford Street
Lowell, MA 01851
+1 978.656.2500

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 15 th , 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:			
<p>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.</p>			
ETC1-1T-2TR			
Current Core		Alternative Core	
    		    	

MACOM

100 Chelmsford Street
Lowell, MA 01851
+1 978.656.2500

www.macom.com

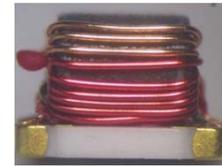
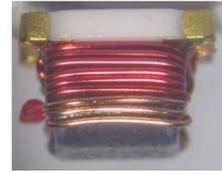


MACP-007741-CG09E0

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

MACOM

100 Chelmsford Street
Lowell, MA 01851
+1 978.656.2500

www.macom.com



Qualification: Test Results

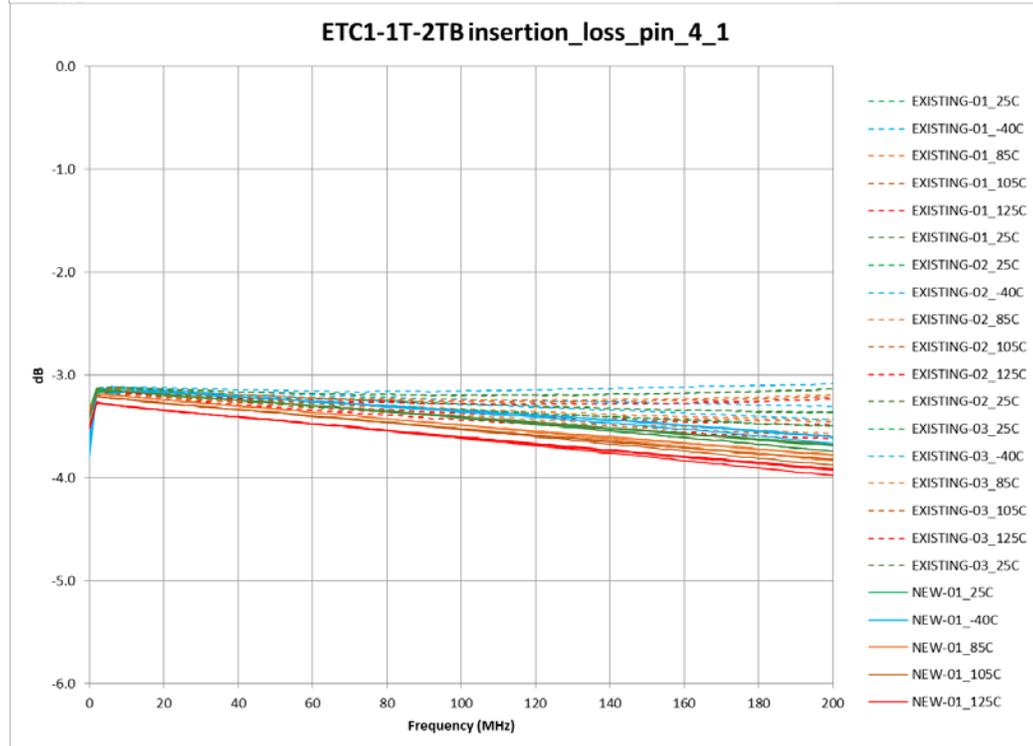
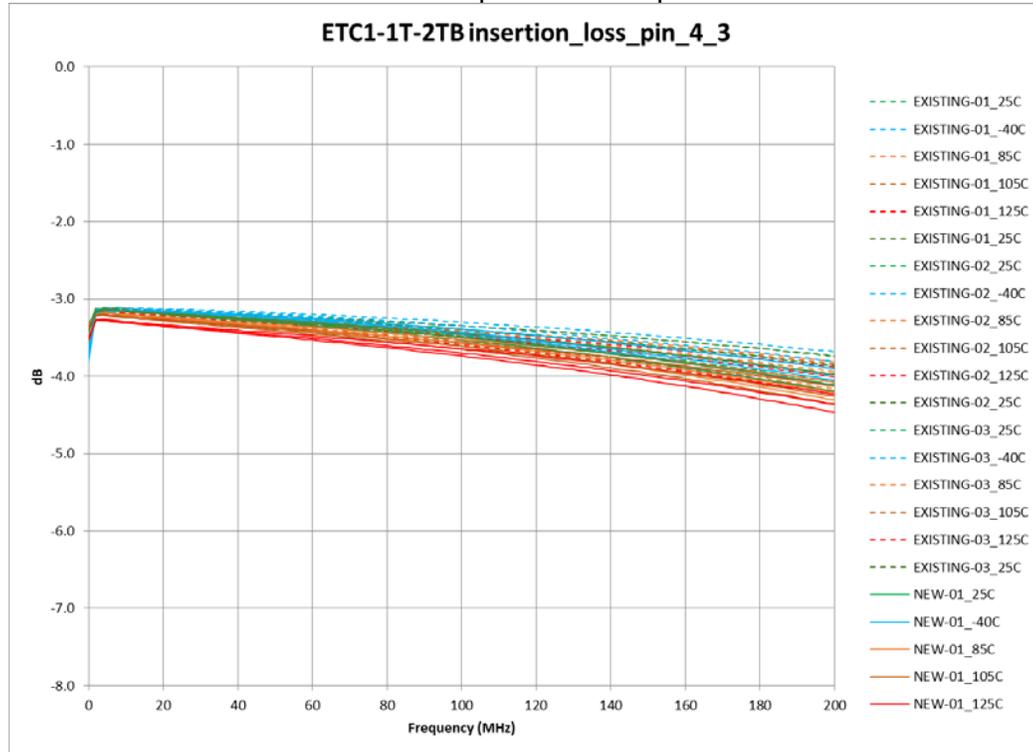
A comparative analysis was performed which showed no significant shift in electrical parameters between transformers using the current and second source supplied core.

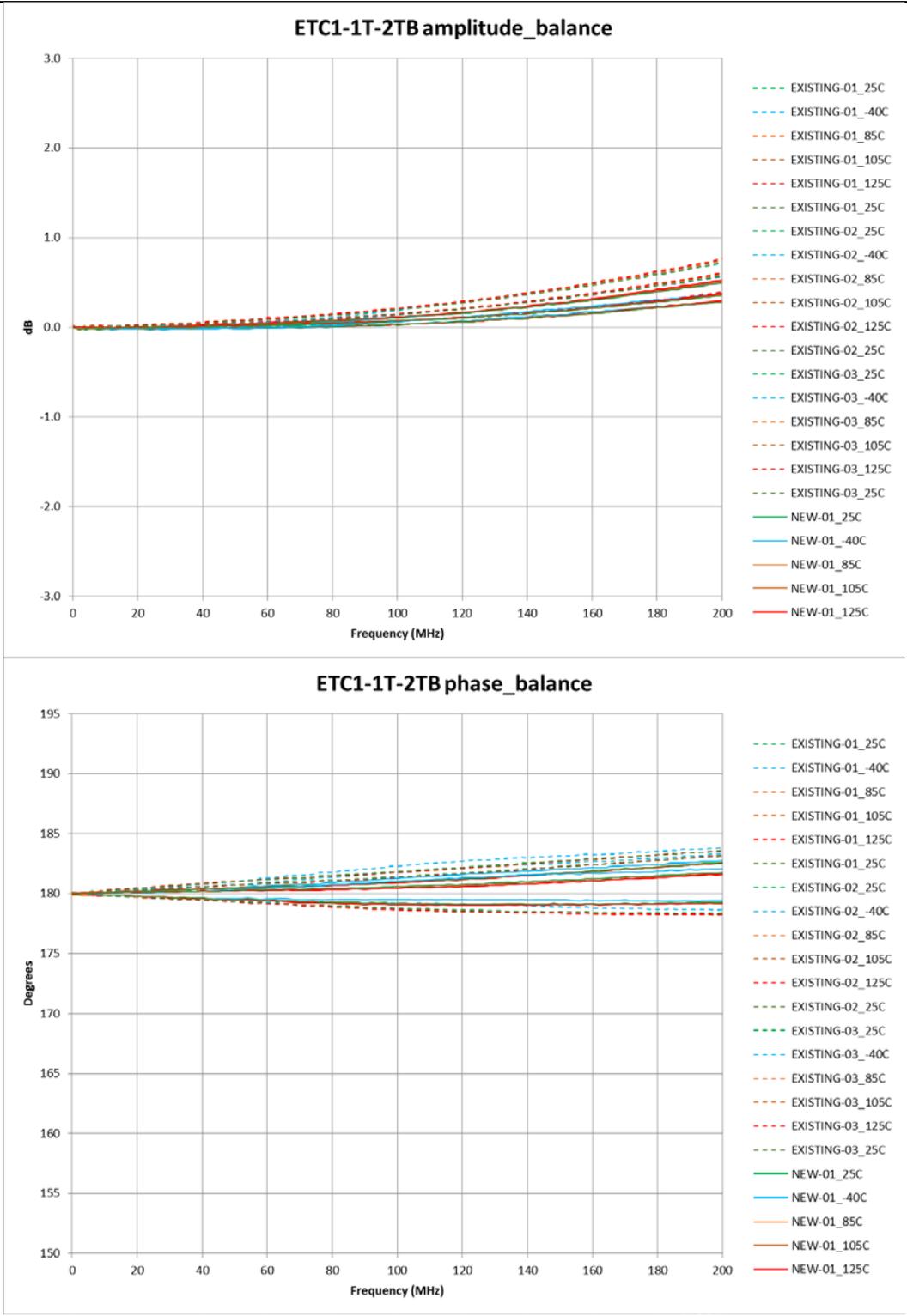
Appendix I: ETC1-1T-2TR Over Temperature Comparison Test Data

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

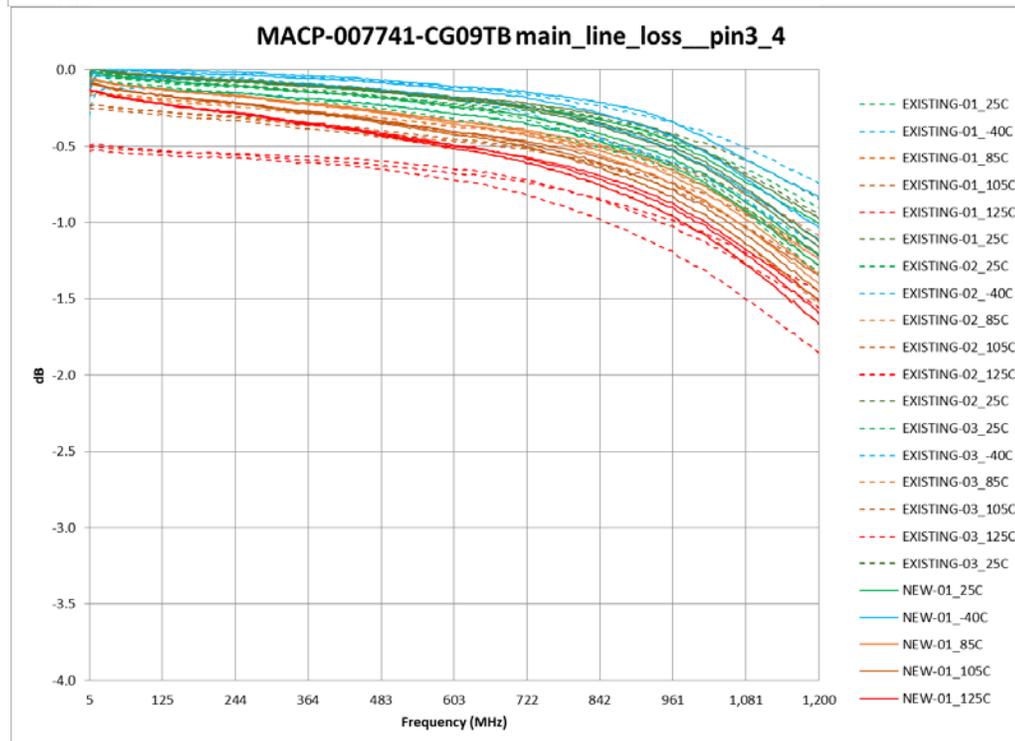
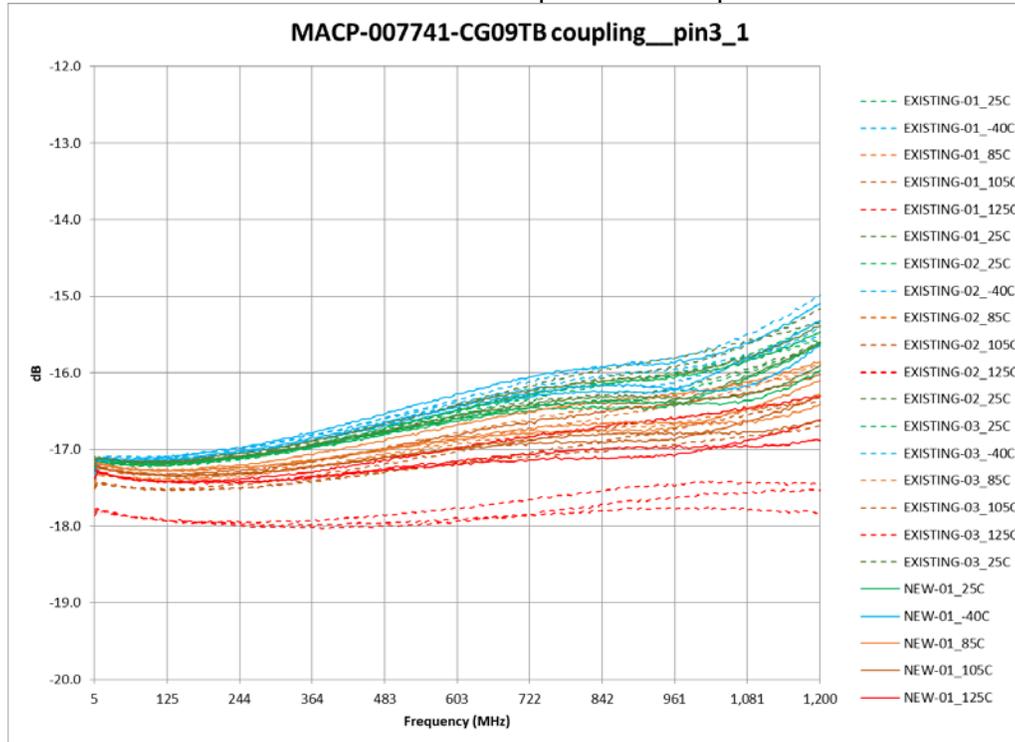
Appendix I

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

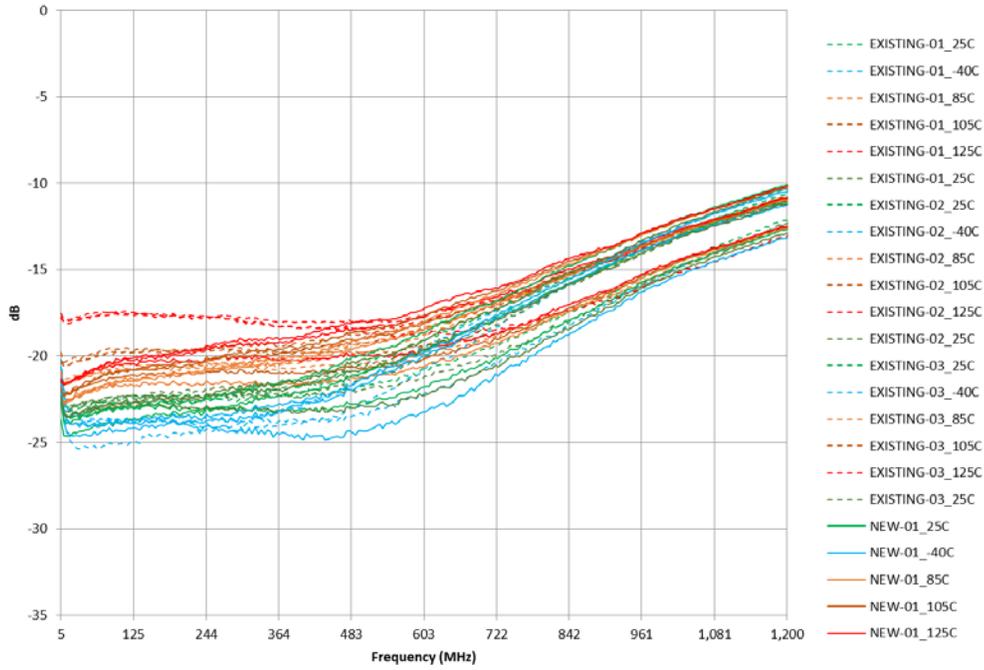




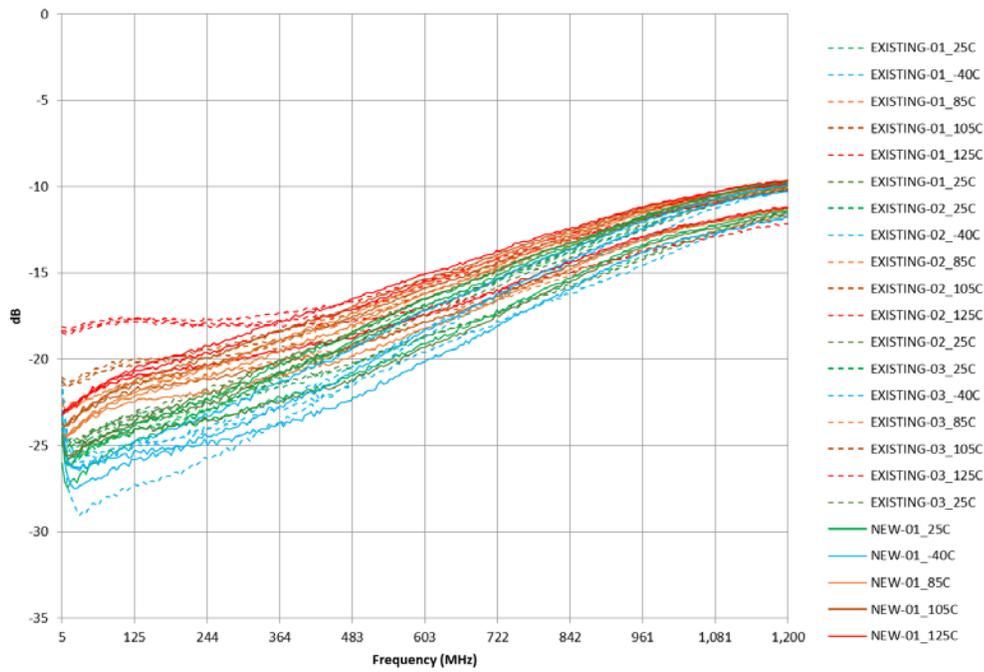
Appendix II:
MACP-007741-CG09E0 Over Temperature Comparison Test Data



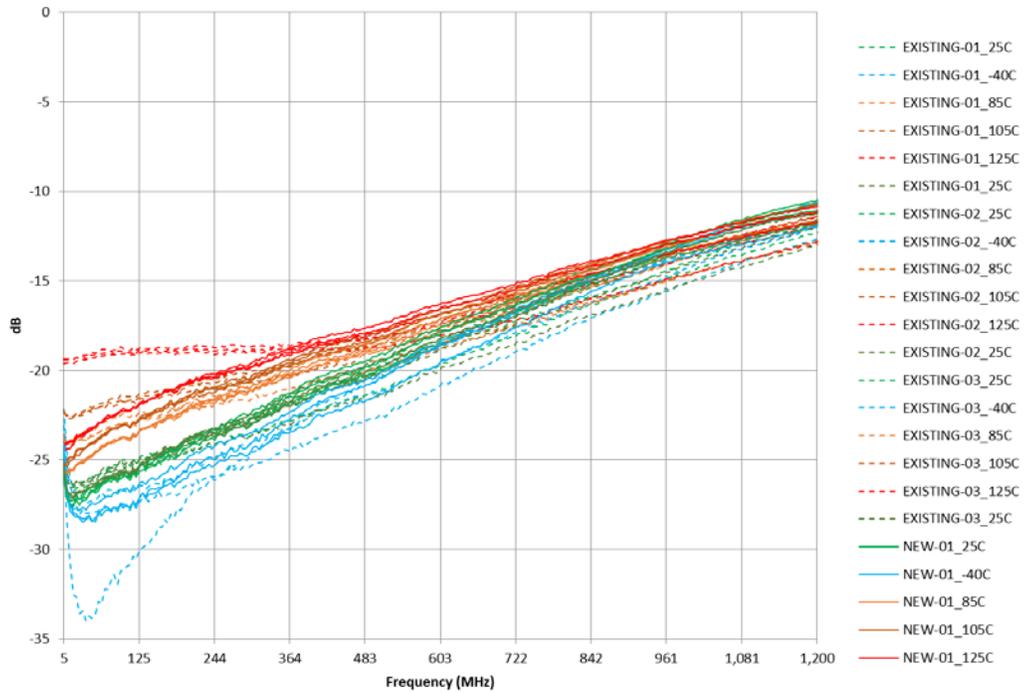
MACP-007741-CG09TB input_return_loss_pin3



MACP-007741-CG09TB output_return_loss_pin4



MACP-007741-CG09TB coupling_return_loss_pin1



MACP-007741-CG09TB isolation_pin3_5

