



MURATA MANUFACTURING CO., LTD.

Attention: PK Components (D0584)

No. : HEMCN1-0001
 Date : March, 28, 2014

**MLCC: Monolithic Ceramic Capacitor High Frequency
Notification - Discontinuance of Legacy products using Precious Metal**

Dear Valued Customer,

Thank you very much for your patronage on our ceramic capacitor.

We would much appreciate to submit this letter to inform you about the Discontinuance of Legacy MLCC products which use Precious Metal for the Inner/Outer Electrode.

<p>1. Object Part MLCC High Frequency ERB/ERC/ERD/ERF/ERG/ERH/MA19/MA29/MA59/MA69 seires</p>										
<p>2. Applied Part Numbers and Murata Product Types (1) Customer Part Number: Please find enclosed Appendix(1). (2) Murata Product Types/Series subject to Discontinuation:</p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;"><u>ERB</u>*** ** * ** * ** * *</td> <td style="border: none;"><u>ERC</u>*** ** * ** * ** * *</td> </tr> <tr> <td style="border: none;"><u>ERD</u>*** ** * ** * ** * *</td> <td style="border: none;"><u>ERF</u>*** ** * ** * ** * *</td> </tr> <tr> <td style="border: none;"><u>ERG</u>*** ** * ** * ** * *</td> <td style="border: none;"><u>ERH</u>*** ** * ** * ** * *</td> </tr> <tr> <td style="border: none;"><u>MA19</u> ** * ** *</td> <td style="border: none;"><u>MA29</u> ** * ** *</td> </tr> <tr> <td style="border: none;"><u>MA59</u> ** * ** *</td> <td style="border: none;"><u>MA69</u> ** * ** *</td> </tr> </table>	<u>ERB</u> *** ** * ** * ** * *	<u>ERC</u> *** ** * ** * ** * *	<u>ERD</u> *** ** * ** * ** * *	<u>ERF</u> *** ** * ** * ** * *	<u>ERG</u> *** ** * ** * ** * *	<u>ERH</u> *** ** * ** * ** * *	<u>MA19</u> ** * ** *	<u>MA29</u> ** * ** *	<u>MA59</u> ** * ** *	<u>MA69</u> ** * ** *
<u>ERB</u> *** ** * ** * ** * *	<u>ERC</u> *** ** * ** * ** * *									
<u>ERD</u> *** ** * ** * ** * *	<u>ERF</u> *** ** * ** * ** * *									
<u>ERG</u> *** ** * ** * ** * *	<u>ERH</u> *** ** * ** * ** * *									
<u>MA19</u> ** * ** *	<u>MA29</u> ** * ** *									
<u>MA59</u> ** * ** *	<u>MA69</u> ** * ** *									
<p>3. Reason MLCC High Frequency ERB/ERC/ERD/ERF/ERG/ERH/MA19/MA29/MA59/MA69 seires uses rare metal for electrode material and is specified as a unique product.As it is unique market demand is low ,the machinery/toolin for this product has been deteriorating which has lead to low productivity.This has lead us to consider that the continuance of production is not feasbile in near future</p>										
<p>4. Discontinuance Schedule</p> <p>Date of Last Time Buy : December 31, 2014 Date of Discontinue Production : June 30, 2015 Please return this form with your signature by June 30, 2014.</p> <p>We would like to take action after your acceptance. Please feel free to contact us, if you have any question or request on our proposal.</p>										

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5. Proposal of alternate product

There is what can introduce the substitution only to ERB/ERF/MA19/MA29/MA59/MA69 a part of P/N.
 We will introduce also about it by attached data (1).
 In addition, there is no substitution to ERC/ERD/ERG/ERH.

(1) Structure

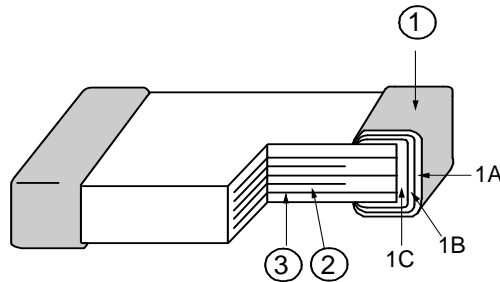


Table A

No.	NAME	Material	
		Current (Fig.1)	New (Fig.1)
①	Termination		
1A	Plated layer	Tin	Tin
1B	Plated layer	Nickel	Nickel
1C	Electrode	Silver/Palladium	Copper
②	Dielectric layer	TiO2	CaZrOn
③	Inner electrode	Palladium	Copper

(2) Please see attached Typical Reliability Test Data for your reference.

Yours very truly,

The notification for the acceptance

Date :
 Company :
 Signature :
 Comment :

Y. Nakayama / Manager

Product Engineering Department
 Capacitor Division I
 Fukui Murata MFG. Co., Ltd.

* Please return this form with your signature to our sales representative by **June. 30, 2014.**

