



MURATA MANUFACTURING CO., LTD.

Attention: PK Components

No. : HEMCG0-1398A

Date : March 4th, 2013

MLCC: Monolithic Ceramic Capacitor

Notification - Discontinuance of Product

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 Product.

1. Object Part

MLCC (Chip Monolithic Ceramic Capacitor) :
GCx15 - GCx55 series (1.0x0.5mm - 5.7x5.0mm)

2. Applied Part Numbers and Murata Product Types

(1)Customer Part Number: Please find enclosed Appendix(1).
(2)Murata Product Types:

GCxxxx xx xx xxx x Dxx xGCxxxx xx xx xxx x Zxx x**3. Reason**

Precious metal's market price continues increasing and stays high.
Particularly Palladium price has been impacting to Murata's MLCC product.
In addition, Chinese government's export control from 2010 hangs over our head
by Rare Earth's procurement and purchase cost.

Even Murata takes any means to manage the situation, to avoid negative impact by precious metal
and rare earth, however precious metal' price increase and rare earth's crisis bring great influence
onto our production.

Murata has been expanding the products that are used base metal for inner electrode material
as standard products.
We would like you to accept the change because of standardization point of view.
The change of inner electrode to base metal enables us to manage the risk from the influence of
precious metal market in supply and cost.

4. Discontinuance Schedule

Dead line of one shot last order : December 31, 2013
Date of discontinue production : March 31, 2014
Please return this form with your signature by June 30, 2013

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.

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5. Proposal of alternate product

We would like to propose the alternate product.
Please find enclosed Appendix(1).
There is no change in the specification.
Please confirm.

(1)Structure

· Fig (Nickel Barrired termination)

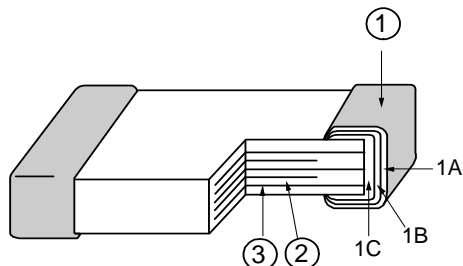


Table A

No.	NAME	Material	
		Current (Fig)	New (Fig)
①	Termination		
1A	Plated layer	Tin	Tin
1B	Plated layer	Nickel	Nickel
1C	Electrode	Silver/Palladium or Silver	Copper
②	Dielectric layer	TiO2	CaZrO3
③	Inner electrode	Palladium or Silver/Palladium	Nickel

Table B

No.	NAME	Material	
		Current (Fig)	New (Fig)
①	Termination		
1A	Plated layer	Tin	Tin
1B	Plated layer	Nickel	Nickel
1C	Electrode	Silver/Palladium or Silver	Copper
②	Dielectric layer	BaTiO3	BaTiO3
③	Inner electrode	Palladium or Silver/Palladium	Nickel

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

6. Others

This change will be applied to all Murata production factory of Chip MLCC, as follows.
Fukui Murata Mfg.Co.,Ltd. , Izumo Murata Mfg.Co.,Ltd. , Okayama Murata Mfg.Co.,Ltd.
Murata Electronics Singapore(Pte.)Ltd. , Wuxi Murata Electronics Co.,Ltd.

Yours very truly,

The notification for the acceptance

Date :

Company :

Signature :

Comment :

Business Development Support Sec.
Product Promotion Dept.
Components Business Unit
Fukui Murata MFG. Co., Ltd.

* Please return this form with your signature to our sales representative by **June 30, 2013**.

Appendix (1)

[illegible]

Customer P/N	Murata P/N		Structure
	Current	New	