

Attn.: DIGI-KEY

Date : January 6, 2014

Ref. No. : IMC-133-016


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**Leaded MLCC (Multilayer Ceramic Capacitor)**
**Notification:** Discontinuance of certain products using  
 Precious Metal

Dear Sir and/or Madam,

Thank you for patronage on our ceramic capacitor.

We would like to inform you about the discontinuance of certain leaded type MLCC using Precious Metal for the electrode.

**1. Object items**< RPE series: specific capacitance value of  $C\Delta$  Char., X7R, DC50V, DC100V >**Murata Product type: RPE\*\*\*□□1H(2A)\*\*\*\***

Type	□ : TC code	Rated Volt	Detail PN
RPE***	1C,2C,3C,4C,5C: CG,CH,CJ,CK,C0G C1,R1,R7: C, R, X7R	50V,100V	Please refer to the attached Appendix for PN details.

(Appendix: The listed part numbers are based on order history for the last three years.)

**2. Reason**

Object items consist of Precious Metal electrode in the internal MLCC.

In order to improve productivity and avoid risk from the influence of Precious Metal in regards to supply and cost.

**3. Alternative part**

We would like to offer our other products made with Base Metal (BME) electrode as an alternative. Please contact us for additional information.

**4. Discontinuance Schedule**

Date of Last Time Buy: April 30, 2014

Date of Last Shipment: September 30, 2014

We would like to take actions after your acceptance. Please feel free to contact us if you have any questions or requests.

The notification for acceptance:

Date:

Company:

Signature:

Comment:

Sincerely yours,

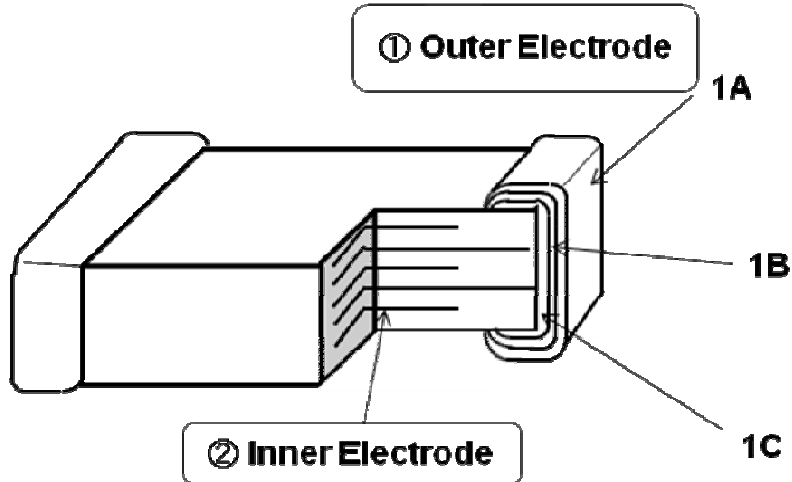
 K. Kubota  
 Issued by Engineering Sec.3  
 Capacitor Div.2  
 Izumo Murata Mfg. Co., Ltd.

<For Reference>

**Difference of internal MLCC between Precious Metal type and Base Metal type**

■ MLCC structure and material which is used in leaded capacitor (RPE series)

<Structure>



No.	NAME	Material		
		Current (Precious Metal MLCC)	Alternative (Base Metal MLCC)	
①	1A	Plated outer layer	Tin	Tin
	1B	Plated medium layer	Nickel	Nickel
	1C	Electrode	Silver/Palladium or Silver	Copper
②	Inner electrode	Palladium or Silver/Palladium	Nickel	

## &lt;Appendix&gt;

Customer Part Number	Murata Part Number
490-3617-ND	RPE5C2A1R0C2P1B03B
490-3619-ND	RPE5C2A1R5C2P1B03B
490-3620-ND	RPE5C2A1R8C2P1B03B
490-3622-ND	RPE5C2A101J2P1Z03B
490-3623-ND	RPE5C2A100J2P1Z03B
490-3625-ND	RPE5C2A121J2P1Z03B
490-3626-ND	RPE5C2A120J2P1Z03B
490-3628-ND	RPE5C2A151J2P1Z03B
490-3629-ND	RPE5C2A150J2P1Z03B
490-3630-ND	RPE5C2A160J2P1Z03B
490-3631-ND	RPE5C2A181J2P1Z03B
490-3632-ND	RPE5C2A180J2P1Z03B
490-3633-ND	RPE5C2A2R0C2P1B03B
490-3634-ND	RPE5C2A2R2C2P1B03B
490-3635-ND	RPE5C2A2R7C2P1B03B
490-3636-ND	RPE5C2A201J2P1Z03B
490-3637-ND	RPE5C2A200J2P1Z03B
490-3638-ND	RPE5C2A221J2P1Z03B
490-3639-ND	RPE5C2A220J2P1Z03B
490-3640-ND	RPE5C2A240J2P1Z03B
490-3641-ND	RPE5C2A271J2P1Z03B
490-3642-ND	RPE5C2A270J2P1Z03B
490-3643-ND	RPE5C2A3R0C2P1B03B
490-3644-ND	RPE5C2A3R3C2P1B03B
490-3646-ND	RPE5C2A3R9C2P1B03B
490-3647-ND	RPE5C2A301J2P1Z03B
490-3648-ND	RPE5C2A300J2P1Z03B
490-3649-ND	RPE5C2A331J2P1Z03B
490-3650-ND	RPE5C2A330J2P1Z03B
490-3651-ND	RPE5C2A391J2P1Z03B
490-3652-ND	RPE5C2A390J2P1Z03B
490-3653-ND	RPE5C2A4R7C2P1B03B
490-3654-ND	RPE5C2A431J2P1Z03B
490-3656-ND	RPE5C2A471J2P1Z03B
490-3657-ND	RPE5C2A470J2P1Z03B
490-3658-ND	RPE5C2A5R0C2P1B03B
490-3659-ND	RPE5C2A5R6C2P1B03B
490-3661-ND	RPE5C2A560J2P1Z03B
490-3662-ND	RPE5C2A6R2C2P1B03B
490-3663-ND	RPE5C2A6R8C2P1B03B
490-3666-ND	RPE5C2A750J2P1Z03B
490-3668-ND	RPE5C2A820J2P1Z03B

490-3670-ND	RPE5C1H1R0C2P1B03B
490-3671-ND	RPE5C1H1R2C2P1B03B
490-3678-ND	RPE5C1H100J2P1Z03B
490-3679-ND	RPE5C1H100J2K1Z03B
490-3684-ND	RPE5C1H120J2P1Z03B
490-3685-ND	RPE5C1H120J2K1Z03B
490-3686-ND	RPE5C1H130J2P1Z03B
490-3691-ND	RPE5C1H150J2P1Z03B
490-3692-ND	RPE5C1H150J2K1Z03B
490-3697-ND	RPE5C1H180J2P1Z03B
490-3698-ND	RPE5C1H180J2K1Z03B
490-3699-ND	RPE5C1H1R0C2K1B03B
490-3700-ND	RPE5C1H2R0C2P1B03B
490-3703-ND	RPE5C1H200J2P1Z03B
490-3708-ND	RPE5C1H220J2P1Z03B
490-3709-ND	RPE5C1H220J2K1Z03B
490-3710-ND	RPE5C1H240J2P1Z03B
490-3714-ND	RPE5C1H270J2P1Z03B
490-3715-ND	RPE5C1H270J2K1Z03B
490-3716-ND	RPE5C1H2R0C2K1B03B
490-3717-ND	RPE5C1H3R0C2P1B03B
490-3718-ND	RPE5C1H3R3C2P1B03B
490-3721-ND	RPE5C1H300J2P1Z03B
490-3725-ND	RPE5C1H330J2P1Z03B
490-3726-ND	RPE5C1H330J2K1Z03B
490-3731-ND	RPE5C1H390J2P1Z03B
490-3732-ND	RPE5C1H390J2K1Z03B
490-3734-ND	RPE5C1H4R0C2P1B03B
490-3736-ND	RPE5C1H430J2P1Z03B
490-3740-ND	RPE5C1H470J2P1Z03B
490-3741-ND	RPE5C1H470J2K1Z03B
490-3742-ND	RPE5C1H4R0C2K1B03B
490-3743-ND	RPE5C1H5R1C2P1B03B
490-3745-ND	RPE5C1H510J2P1Z03B
490-3749-ND	RPE5C1H560J2P1Z03B
490-3750-ND	RPE5C1H560J2K1Z03B
490-3751-ND	RPE5C1H5R0C2K1B03B
490-3752-ND	RPE5C1H6R0D2P1B03B
490-3753-ND	RPE5C1H6R8C2P1B03B
490-3757-ND	RPE5C1H680J2P1Z03B
490-3758-ND	RPE5C1H680J2K1Z03B
490-3759-ND	RPE5C1H6R0D2K1B03B
490-3760-ND	RPE5C1H7R0D2P1Z03B
490-3761-ND	RPE5C1H750J2P1Z03B
490-3762-ND	RPE5C1H7R0D2K1Z03B

490-3763-ND	RPE5C1H8R0D2P1Z03B
490-3764-ND	RPE5C1H8R2C2P1Z03B
490-3768-ND	RPE5C1H820J2P1Z03B
490-3769-ND	RPE5C1H820J2K1Z03B
490-3770-ND	RPE5C1H8R0D2K1Z03B
490-3771-ND	RPE5C1H9R0D2P1Z03B
490-3772-ND	RPE5C1H9R1C2P1Z03B
490-3773-ND	RPE5C1H910J2P1Z03B
490-3780-ND	RPER72A221K2P1B03B
490-3786-ND	RPER72A471K2P1B03B
490-3871-ND	RPEE42A472M2P1B03B