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## Discontinuation of Production of Consumer/Industrial Ceramic Resonators

We regret to notify that we need to stop the production and supply of the following ceramic resonators. We are sorry for any inconvenience caused.

### **1. Affected parts**

All consumer/industrial product ranges

PRQC series (3.2 x 1.3 x 1.0 mm)

PBRC-MR series (4.5 x 2.0 x 1.2 mm)

PBRC-HR series (7.4 x 3.4 x 2.0 mm)

### **2. Reason of Stop of Production**

Timing device market has been shifting towards higher frequency precision and higher frequency. Because of this trend, the market of ceramic resonator has been shrinking whereas market of crystals has been expanding. Despite our best possible efforts to maintain the current price and continue the stable production, unfortunately, it has become unfeasible to continue investment of new equipment while the current equipment are aging, and as a result, it has become unfeasible to continue long-term production.

### **3. Schedule**

Issue of Last time buy order: 31/Jul/CY2019

End of production: 31/Dec/CY2019

End of shipment: 31/Mar/CY2020

### **4. Remarks**

Earlier this year, we have already notified discontinuation of automotive grade products (PRQV/PRHV/PBRV-MR/PBRV-HR). Last time buy order for automotive grade products needs to be issued by 31/Jan/CY2019.

This means that we will discontinue production of “all” ceramic resonators.