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Kyocera Corporation

Hiroshi Nakajima

Electronic Component Division

Hitoshi Matsunosako

Automotive Component Division

## <u>Discontinuation of Production of Automotive Ceramic Resonators</u>

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

## 1. Affected parts

All automotive product ranges

PRQV series  $(3.2 \times 1.3 \times 1.0 \text{ mm})$ PRHV series  $(3.2 \times 1.3 \times 1.0 \text{ mm})$ PBRV-MR series  $(4.5 \times 2.0 \times 1.2 \text{ mm})$ PBRV-HR series  $(7.4 \times 3.4 \times 2.0 \text{ mm})$ 

## 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 shirking 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/Jan/CY2019

(Preliminary information of LTB QTY required by 30/Jun/CY2018)

End of production: 31/Dec/CY2019
End of shipment: 31/Mar/CY2020