

# Crystals in Automotive

## Kyocera Crystals for Automotive Solutions



### Crystal Unit (CX2016SA)

- Size: 2016
- Frequency Range: 16 to 60MHz
- Frequency Tolerance: 10ppm
- Temperature Range: -40 to +150°C
- Temperature Stability: +/- 200ppm



**AEC-Q200**

### Clock Oscillator (MC-Z/MC-K Type)

- Size: 2016/2520/3225/5032/7050
- Frequency Range: 0.5 to 170MHz
- Supply Voltage: 1.7 to 3.63V
- Temperature Range: -40 to +125°C



**AEC-Q100  
AEC-Q200**

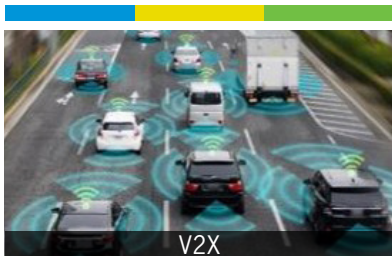
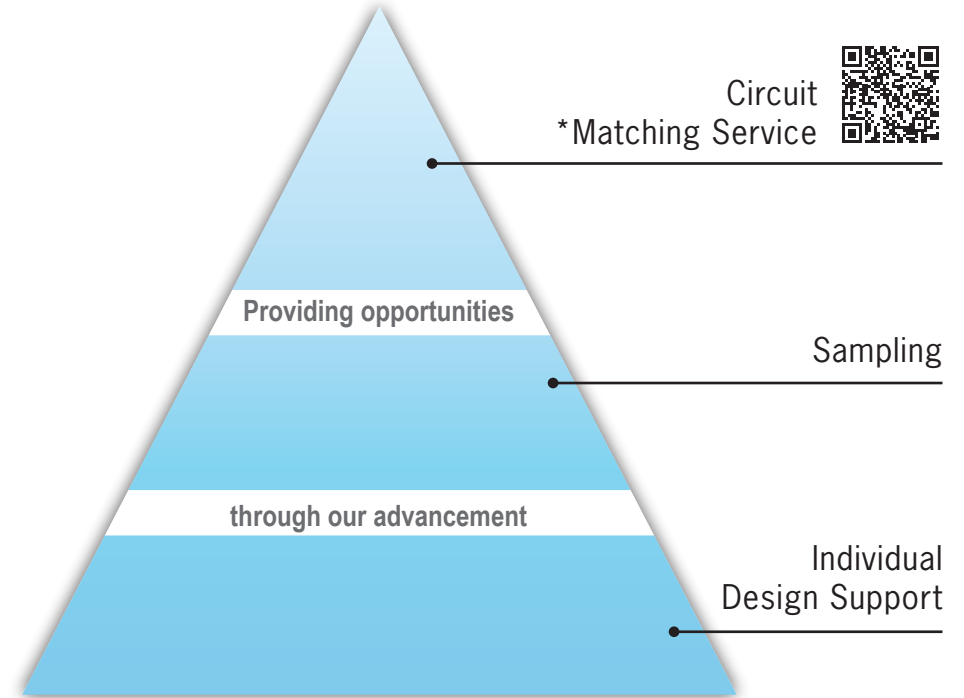
### TCXO (KT1612A\*/KT2016K/KT2520K)

- Size: 1612/2016/2520
- Frequency Range: 10 to 52MHz
- Temperature Tolerance: +/- 10ppm
- Temperature Range: -40 to +105°C



**AEC-Q100  
AEC-Q200**

\*AEC-Q200  
under preparation



\* This service is applicable to automotive related projects only.