

# LOW NOISE

OVEN CONTROLLED CRYSTAL OSCILLATOR  
WITH VOLTAGE CONTROL

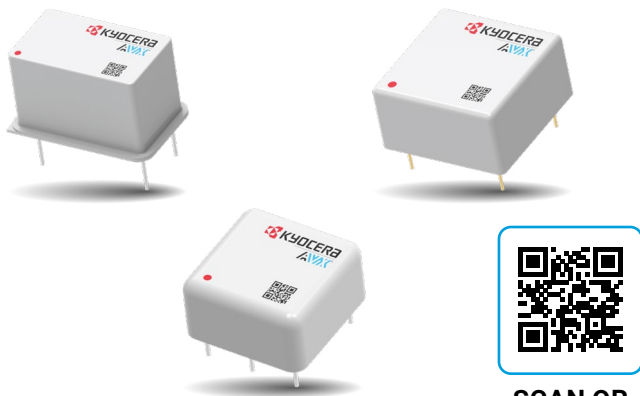


## BASIC OVERVIEW

KYOCERA AVX's ultra-low phase noise OCXO product offering is a result of 90+ years of leading products within the Frequency Control Industry. Modern layout topologies enable KYOCERA AVX to engineer and manufacture robust designs for all applications.

## TOP SELLING POINTS

- » Thru Hole or Surface Mountable
- » Superior Frequency Stability
- » Ultra Low Phase Noise
- » Low Acceleration Sensitivity (Low-G)
- » Tolerant to Micro Vibrations
- » Low Age Rates
- » Multiple Package



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PRODUCT  
OVERVIEW

## APPLICATIONS

- » Network Infrastructure
- » Phase Locked Microwave Applications
- » Low Noise Test and Measurement Systems
- » GPS Precision Timing Devices
- » Military High-Performance Devices
- » Medical Devices
- » Aerospace
- » Industrial

## KEY SPECIFICATIONS

- » KYOCERA AVX Low Noise OCXO technology provides ultra-low phase noise performance
- » KYOCERA AVX Low-G Low Noise OCXO technology provides superior acceleration sensitivity over dynamic phase noise performance
- » **Wide Frequency Ranges:**  
10MHz to 150MHz
- » **Max Operating Temperature:**  
40 to +85°C
- » **High Stability Over Temperature:**  
10 to 50 MHz +/- 5ppb  
50 to 120 MHz +/- 10ppb
- » **Low A-Phase Noise (10MHz shown):**  
10 Hz offset = -130 dBc/Hz  
1 kHz offset = -166 dBc/Hz
- » **Low-G Acceleration Sensitivity:**  
< 0.3 ppb/G (worst Axis)
- » **Multiple Package Sizes:**  
14 Pin Dip (20 x 20mm / 25 x 25mm)