



Oven Controlled Crystal Oscillator

KLN SERIES (Low Noise OCXO)

[Click Here to View More Crystal Devices](#)

KEY SPECIFICATIONS

- 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 Drop
20 x 20mm
22 x 25mm

BASIC OVERVIEW

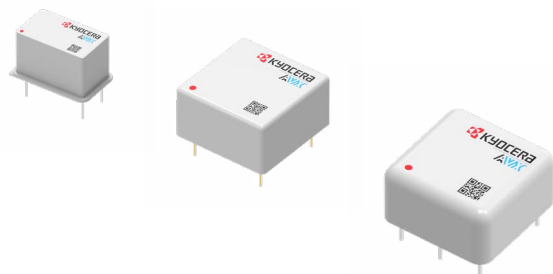
KYOCERA AVX's ultra low phase noise OCXO product offering is a result of 90+ years of leading products within the Frequency Control Industry. Modern layout topologies enable KYOCERA AVX to engineer and manufacture robust designs for all applications.

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

KEY SPECIFICATIONS

- KYOCERA AVX Low Noise OCXO technology provides ultra-low phase noise performance
- KYOCERA AVX Low-G Noise OCXO technology provides superior acceleration sensitivity over dynamic phase noise performance



APPLICATIONS

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



HOW TO ORDER

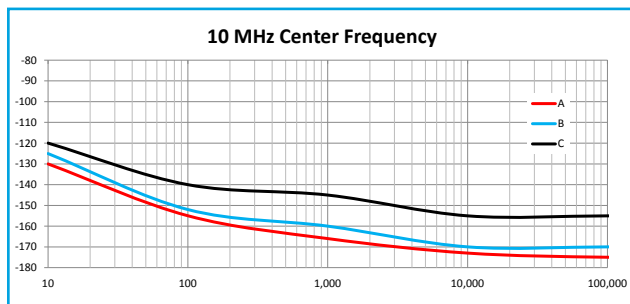
KLN	A	N	T	E	10	M	E	A	C	C	A	B
Low Noise OCXO Series	Phase Noise A, B, C (See Table)	Acceleration Sensitivity N: > 1.0 ppb/g G: < 0.3 ppb/g	Mounting T: Through Hole = 25mm x 25mm S: SMT	E Package = 25mm x 25mm	Center Frequency 10M: MHz to 120M: MHz	MHz	Supply Voltage E: 5V F: 12V	EFC N: N/A A: ±0.5ppm B: ±1ppm	Frequency vs. Temperature B: ±5ppb C: ±10ppb D: ±20ppb E: ±50ppb F: ±100ppb	Operating Range A: 0 to 70°C B: -20 to 70°C C: -40 to 85°C	Output Type A: Sine C: CMOS/TTL	Shipping = Bulk

* Configuration items are in blue
 ** Not all combinations of options may be possible
 *** Other options may be available

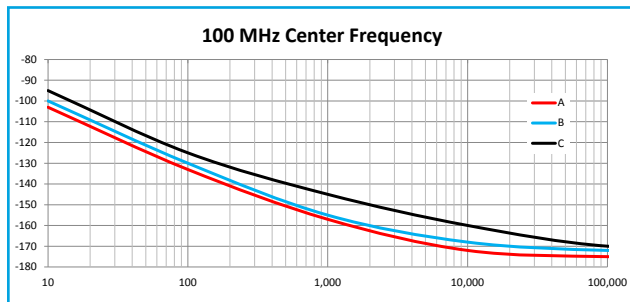


Scan code for Web Page

STATIC PHASE NOISE PERFORMANCE (TYP)



10 MHz Center Frequency	A	B	C
Offset	dBc/Hz	dBc/Hz	dBc/Hz
10	-130	-125	-120
100	-155	-152	-140
1,000	-166	-160	-145
10,000	-173	-170	-155
100,000	-175	-170	-155
1,000,000	-175	-170	-155



100 MHz Center Frequency	A	B	C
Offset	dBc/Hz	dBc/Hz	dBc/Hz
10	-103	-100	-95
100	-133	-130	-125
1,000	-157	-155	-145
10,000	-172	-168	-160
100,000	-175	-172	-170
1,000,000	-175	-172	-170

NORTH AMERICA

Zack Kozawa
Product Manager

TEL: +1 (864)-414-7114
Email: zack.kozawa@kyocera-avx.com

EUROPE

Zack Kozawa
Product Manager

TEL: +1 (864)-414-7114
Email: zack.kozawa@kyocera-avx.com

ASIA

Zack Kozawa
Product Manager

TEL: +1 (864)-414-7114
Email: zack.kozawa@kyocera-avx.com

