



Oven Controlled Crystal Oscillator

KOV SERIES (Standard OCXO)

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

KEY SPECIFICATIONS

- Wide Frequency Ranges
10MHz to 120MHz
- Max Operating Temperature
-40 to +85°C
- High Stability over Temperature
10 to 50 MHz +/- 5ppb
50 to 120 MHz +/- 10ppb
- Low Phase Noise (10MHz shown)
10 Hz offset = 120 dBc/Hz
1 kHz offset = -145 dBc/Hz
- Multiple Package Sizes
9 x 14mm
14 Pin Drop
20 x 20mm
22 x 25mm
25 x 25mm

BASIC OVERVIEW

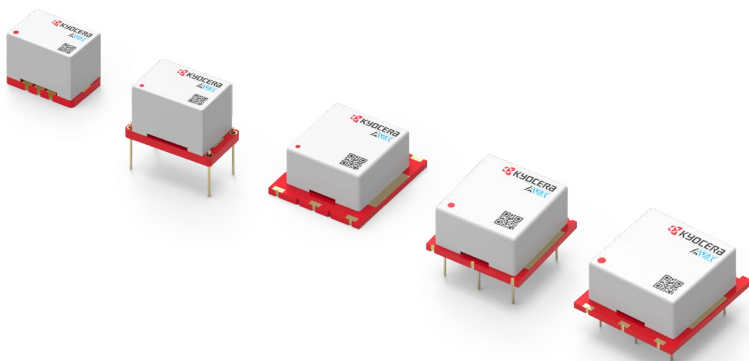
KYOCERA AVX's high performance OCXO product offering is a result of 90+ years of leading products within the Frequency Control Industry. Modern layout topologies enable KYOCERA AVX to engineer and manufacture robust designs for all applications.

TOP SELLING POINTS

- Thru Hole or Surface Mountable
- High Stability vs. Temperature
- Quick Warm-Up Time
- Low Age Rates
- Low Phase Noise
- Multiple Package Size

KEY SPECIFICATIONS

- KYOCERA AVX OCXO technology provides high stability over wide operating temperature range



APPLICATIONS

- Network Infrastructure
- 5G Picocell
- Test and Measurement Systems
- GPS Precision Timing Devices
- Medical Devices
- Aerospace
- Military
- Industrial



HOW TO ORDER

KOV	T	E	10	M	D	N	C	C	A	B
Standard OCXO Series	Mounting T: Through Hole S: SMT	E Package = 25mm x 25mm	Center Frequency 10M: MHz to 120M: MHz	MHz	Supply Voltage D: 3.3V E: 5V	EFC N: N/A A: $\pm 0.5\text{ppm}$ B: $\pm 1\text{ppm}$	Frequency vs. Temperature B: $\pm 5\text{ppb}$ C: $\pm 10\text{ppb}$ D: $\pm 20\text{ppb}$ E: $\pm 50\text{ppb}$ F: $\pm 100\text{ppb}$	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 B: Bulk T: Tape & Reel

* Configuration items are in blue

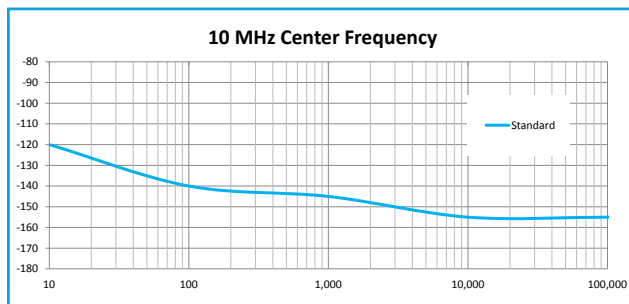
** Not all combinations of options may be possible

*** Other options may be available

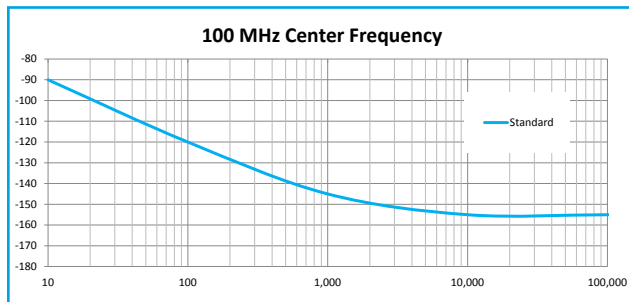


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STATIC PHASE NOISE PERFORMANCE (TYP)



10 MHz Center Frequency	Standard
Offset	dBc/Hz
10	-120
100	-140
1,000	-145
10,000	-155
100,000	-155
1,000,000	-155



100 MHz Center Frequency	Standard
Offset	dBc/Hz
10	-90
100	-120
1,000	-145
10,000	-155
100,000	-155
1,000,000	-155

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