LEO SPACE

OVEN CONTROLLED CRYSTAL OSCILLATOR WITH VOLTAGE CONTROL

BASIC OVERVIEW

KYOCERA AVX's ultra low phase noise KSP LEO Space OCXO product offering is a result of 90+ years of leading products within the Frequency Control Industry with over 65+ years of space heritage. 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

SCAN OR CLICK FOR PRODUCT OVERVIEW

APPLICATIONS

- Satellite Master Clock
- Satellite GPS Precision Timing Devices
- Satellite Master Reference Oscillator
- Satellite Radar
- Satellite Weather Radar

KEY SPECIFICATIONS

- KYOCERA AVX LEO Space 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℃
- **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)
- **Key Features:**
  5E-12 at 1 second
  Small thermal mass for fast warm-up and low power consumption