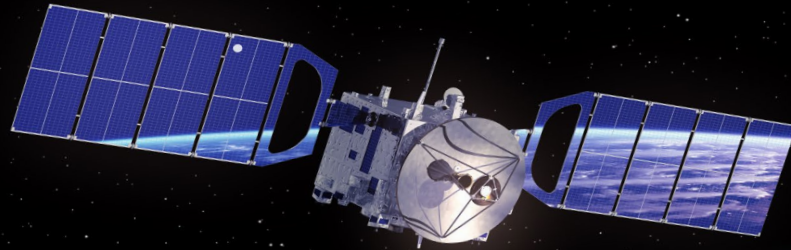


MEDUSA

MASTER REFERENCE OSCILLATOR
WITH DISTRIBUTION



BASIC OVERVIEW

KYOCERA AVX's Space product offering is a result of 90+ years of leading products within the Frequency Control Industry with over 65+ years of space heritage. With the KYOCERA AVX KPS Space OCXO embedded within the Iris GPSDO, low noise and low acceleration sensitive frequency output is the core for any payload design.

TOP SELLING POINTS

- » Compact Design for Low Size and Mass
- » Modular Design Elements for Maximum Flexibility
- » LEO/MEO Constellation Heritage
- » Low Phase Noise and Low G-Sensitivity
- » Redundant 3:1 or 2:1 (Hot and Cold Standby)
- » Space DC/DC Supplies for Spacecraft Power Interface
- » OCXO Frequency Range from 10 to 200 MHz
- » Local Oscillator Option (Up to 25 GHz Multiple Outputs)



APPLICATIONS

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

KEY SPECIFICATIONS

- » KYOCERA AVX Medusa provides the mixed wide frequency range with ultra stable frequencies for your mission
- » **Wide Frequency Ranges:**
10 MHz to 25 GHz
- » **Max Operating Temperature:**
-40 to +85°C
- » **High Stability Over Temperature:**
GPSDC +/- 0.5 ppb
Atomic Clock DO +/- 0.05 ppb
- » **Low Phase Noise (10MHz shown):**
10 Hz offset = -120 dBc/Hz
1 kHz offset = -145 dBc/Hz
- » **Key Features:**
Spacecraft +28V to +100V Interface
1PPS Output (multiple available)
Up to 32+ Outputs Mixed Frequencies
2:1 or 3:1 Redundant Systems
CAN, UART and/or Ethernet