

IRIS GPS

DISCIPLINED MASTER REFERENCE OSCILLATOR



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
- » Standalone Design with Connectorized Interface
- » LEO/MEO Constellation Heritage
- » Low Phase Noise and Low G-Sensitivity
- » High Frequency Stability
- » Low Jitter Output



APPLICATIONS

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

KEY SPECIFICATIONS

- » KYOCERA AVX Iris provides a wide frequency range with ultra stable frequencies for your mission
- » **Wide Frequency Ranges:**
10 MHz to 150 GHz
- » **Max Operating Temperature:**
-40 to +85°C
- » **High Stability Over Temperature:**
GPSDC +/- 0.5 ppb
- » **Low Phase Noise (10MHz shown):**
10 Hz offset = -120 dBc/Hz
1 kHz offset = -145 dBc/Hz
- » **Key Features:**
1PPS Output & 2 Outputs
ADVE at 1000 seconds 1.00 E-11
CAN, UART and/or Ethernet
Cold-Standby and Hot-Standby Modes
Commands and Telemetry