CAUTION
This product requires a PXI/cPCI Chassis with replaceable card guides per the Eurocard mechanical specification

PX467S Precision Oscillator

The PX467S is a precision oscillator source that provides a highly accurate and stable clock reference that can be used as a frequency or time reference. Using selectable switches, the output of the on-board ovenized oscillator can be output as is or divided by any value from 2 to 16383. The resulting output can be directed to a front SMA connector and/or to selected PXI triggers. The output can be a 100ns pulse or a square wave.

This unit also features a position for adding one single wide M Module.

Specifications:

Ovenized Oscillator:

Nominal Frequency:	10MHz
Stability (Freq. vs. Temp)	±0.01ppm
Aging (Freq. vs. Time)	
1st year	±0.1ppm
10 years	±1.0ppm
Cal. (Freq. vs. Control)	±1.0ppm
Warm Up (Freq. Ref. to 1 hr.)	
5 minutes	±0.1ppm
30 minutes	±0.01ppm

Front panel accessible calibration 25-turn potentiometer provided for 10 year adjustability.

Pulse Output: (front panel)

High, I_{OH} = -24mA	3.76V min.
Low, I_{OL} = 24mA	0.44V max.
Source/Sink	±50mA
Rise/Fall (0.8 to 2.0V)	1.5ns
Impedance (selectable)	3 or 50Ω

Pulse Width: 100ns*

* Pulse width is 50% of period when "Square Wave Output" or "No divide" output is selected.

Outputs:
- Front Panel
- M-Module Trig A
- M-Module Trig B

Switch Controls:
- Divide-by-N Value (3 to 16383)
- Clock Out Select
  - Square Wave Output (N ÷ 2)
  - Divide-By-2
  - No divide (10MHz output)
  - Divide-By-N
- M-Trigger A/B Output Enable
- Front Panel Output Enable
- Front Panel Output Impedance

Front Panel Connector: SMA

Temperature:

Operating:	0°C to 50°C
Storage:	-40°C to 70°C

Power:

+5V (during warm-up)	0.9 A
+5V (after warm-up)	0.65 A

CPCI/PXI Compliance

Complies with PCI spec. 2.0 R3.0 and PCI spec 2.2

5V and 3.3V signaling voltage (VIO) supported

5V only power supply

33MHz PCI data bus

Five trigger lines compliant with PXI Specification 2.1

Form Factor: Size 3U

Applications
- Frequency or Time Reference
- M-Module Triggering
- Synchronization of data acquisition hardware

Ordering Information
Part Number 11030260-0001

Additional Information

User Manuals can be found on our website at www.chtech.com.