



CAUTION
This product requires a
PXI/cPCI Chassis with
replaceable card guides
per the Eurocard mech-
anical 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:

Table with 2 columns: Parameter and Value. Includes Nominal Frequency (10MHz), Stability (±0.01ppm), Aging (±0.1ppm to ±1.0ppm), Cal. (±1.0ppm), Warm Up (±0.1ppm to ±0.01ppm).

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

Pulse Output: (front panel)

Table with 2 columns: Parameter and Value. Includes High, Low, Source/Sink, Rise/Fall, Impedance.

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:

Table with 2 columns: State and Temperature Range. Includes Operating (0°C to 50°C), Storage (-40°C to 70°C).

Power:

Table with 2 columns: Voltage and Current. Includes +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.