### **Racal Instruments**

http://www.racalinstruments.com

## PRODUCT INFORMATION

This product is manufactured by C&H Technologies, Inc. and exclusively distributed by Racal Instruments, Inc.

# Pulse Generator Module Model VX462B

The VX462B is a 20 MHz pulse generator with additional 40 MHz square wave capability in the B-size VXIbus format. Its operating modes are Normal, Triggered, Gated, Delayed Pulse and Double Pulse (second pulse occurs "delay" time after Trigger Out). Front panel BNC connectors are provided for Pulse Out, Trigger Out and Trigger (& Gate) In. LED indicators are provided for MODID and RUN. The unit is jumper selectable for low output impedance providing  $\pm 10$  V into a 50  $\Omega$  load. Alternatively it can be configured for 50  $\Omega$  output impedance that provides better matching for 50  $\Omega$  loads at drive levels up to  $\pm 5$  V.



### **SPECIFICATIONS**

#### **Pulse Repetition Interval**

Range: 50 ns to 1 sec Resolution: 25ns min, 10 bits Accuracy: ±15 ns

#### **Pulse Width**

Range: 25 ns to 1 sec Resolution: 25 ns min, 10 bits Accuracy: ±15 ns

#### **Output Characteristics**

Amplitude (Lo-z):  $\pm 10$  V into 50  $\Omega$  Amplitude (50  $\Omega$ ):  $\pm 5$  V into 50  $\Omega$  Accuracy:  $\pm 1$  %Pgm value  $\pm 3$  % of amplitude,  $\pm 100$  mv Transition Time (@ 5V): 5 ns typical (fixed) Impedance: 2-5  $\Omega$  or 50  $\Omega$  (selectable)

#### **Delay Timing (from Trig Out)**

Range: 25 ns to 1 sec Resolution: 25 ns min, 10 bits Accuracy: ±15 ns

#### **Trigger Out**

TTL, 10 gate drive capability

#### Trigger/Gate In

TTL

#### **Temperature**

Operating: 0° C to +50° C Storage: -40° C to 65° C

#### Power

+5 V @ 3 A +12 V @ 0.4 A

#### **VXIbus Compliance**

1987 IEC 821, IEC 822 and VXIbus Rev. 1.4
A16:D16 DTB Slave
Register Based
No SYSFAIL
No Interrupts
IACKIN tied to IACKOUT
BRX tied to BGX
Form Factor: Size B
Built in test via feedback registers

Complies with ANSI / IEEE Std. 1014-

#### **Applications**

Pulse generator Square wave generator Clock source Delayed trigger

#### **Ordering Information**

Part Number: 11026355-0001



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