



# VX462B Pulse Generator Module

The VX462B is a 20Mhz pulse generator with additional 40Mhz square wave capability. 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 capable  $\pm 10V$  into a  $50\Omega$  load or  $50\Omega$  output impedance that provides better matching for  $50\Omega$  loads at drive levels up to  $\pm 5V$ .

## Specifications:

### Pulse Repetition Interval:

Range	50ns to 1 sec
Resolution	25ns min, 10bits
Accuracy	$\pm 15ns$

### Pulse Width:

Range	25ns to 1 sec
Resolution	25ns min, 10bits
Accuracy	$\pm 15ns$

### Output characteristics:

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

### Delay Timing (from Trig Out):

Range	25ns to 1 sec
Resolution	25ns min, 10bits
Accuracy	$\pm 15ns$

### 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:

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

## Ordering Information:

Description	Part Number
VX462B	11026335-0001

## VXIbus Compliance

Complies with ANSI/IEEE Std. 1014-1987 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

## Applications

- Pulse Generator
- Square Wave Generator
- Clock Source
- Delayed Trigger