



# GFT4208

## Eight output digital splitter

- Eight simultaneous outputs,
- 3 V outputs,
- <20 ps rms jitter,
- cPCI, 6U, 1 slot

### Applications

- Components Test
- ATE Application
- Laser Timing System
- Precision Pulse Application

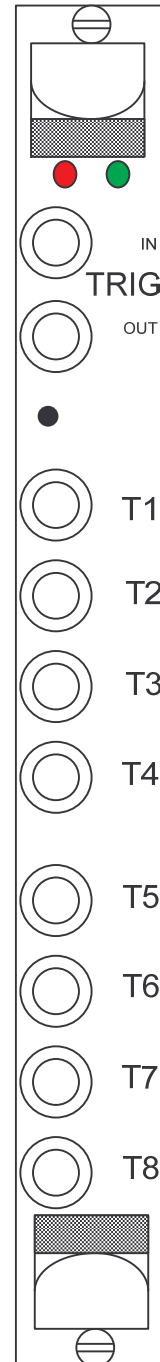
### Description

The GFT4208 module provides eight simultaneous pulses. Channel to channel jitter is less than 25 ps.

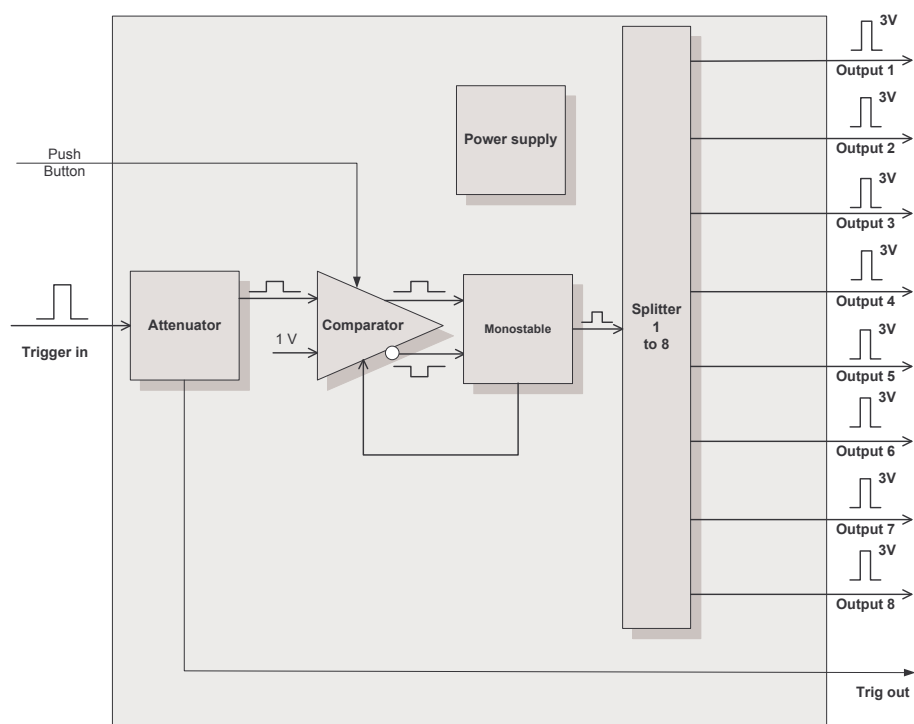
LEMO outputs deliver 3V level under 50  $\Omega$ .

One Trig in or push button is used to trigger off all output channels.

One Trig out is used to split Trig in.



## *GFT4208, Eight output digital splitter*



### **Specifications**

#### **Trigger input**

Threshold	+ 1 V
Slope	Positive
Impedance	50 $\Omega$
Repetition rate	< 1 k Hz

#### **Outputs**

Channels	8 outputs
RMS jitter (T0 to any output)	< 20 ps rms
Trigger Delay	< 15 ns (insertion delay)
Drift	< 20 ps / $^{\circ}\text{C}$
Amplitude	3 V
Load	50 $\Omega$
Rise time / Fall time	< 5 ns
Connector	LEMO
Width	150 ns

#### **Trig out**

Amplitude	3 V
Load	1 M $\Omega$ / 50 $\Omega$
Rise time	< 5 ns

#### **General**

Size	cPCI, 6U, 1 slot
Power	+3.3 V, + 5 V, + 12 V, - 12 V