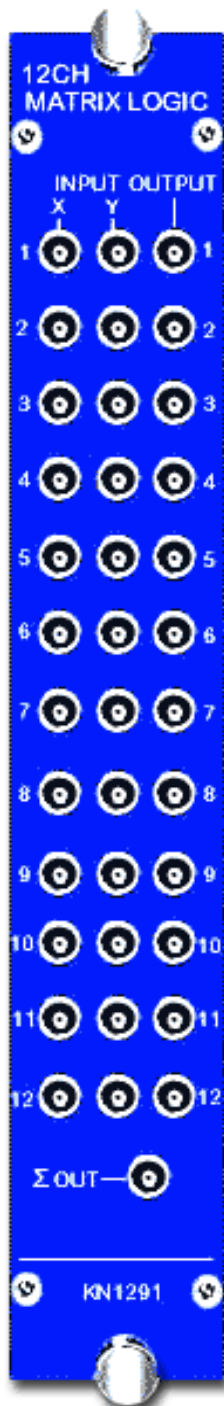


## 12ch MATRIX LOGIC



## 《ABSTRACT》

- ◆ This module is used as a matrix coincidence which has 12 channels X-input and Y-input.
- ◆ Input and output signal is based on NIM standard of AEC. (Atomic Energy Commission US)

## 《Specifications》

**Input characteristics**

- ◇ 12 X-inputs and Y-inputs/50 Ω loaded
- ◇ Threshold level: -0.4V
- ◇ Pulse width : at 4nS / -600mV, maximum output, minimum short pulse
- ◇ maximum frequency : 100MHz / at maximum output level

**Output characteristics ;**

- ◇ the output from 3 logical AND circuit of each channel. ( by the X,Y inputs and the internal DIP switch)
- ◇ OUTPUT1 made INPUT Y1 status, and The Y1 input and all (12) inputs consist of 12 switches.
- ◇ Σ OUT is output from all channels when there is output signal at the channel selected by the switch.
- ◇ Output voltage : -800mV / 50 Ω loaded
- ◇ Overshoot : 5% max. Undershoot : 4% max.
- The delay time between input and output: 8nS between input and output  
10nsec between input and Σ output

- ◆ Input and output connector : standard LEMO connector
- ◆ Packaging : NIM standard single-width module
- ◆ Consumption current : -6V Approx. 1.2A



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