◎ The high-speed comparator is used.
   (Operating Frequency 100MHz)

◎ Threshold can be adjusted together in all the channels.

◎ Output Width can be adjusted together in all the channels.
   (Also individually, Output Width can be set up internal volume.)

◎ The digital NIM standard signal of the width decided when an analog signal got over Threshold is output.
### Input Specifications

- **Impedance**: A direct couple with 50Ω Lemo connectors.
- **Threshold**: 
  - -20mV ~ -240mV
  - Adjusts by the volume of the front panel. All the channels are adjusted together.
- **Minimum input width**: 2nSec (> 100mV)
- **Input protection**: More than +0.7V, against less than -6V, protected by the diode.
- **Maximum input rate**: 60MHz

### VETO Input (Output Inhibit Signal)

- **Impedance**: 50Ω
- **Voltage**: NIM standard signal

### BIN GATE Input (Accepted Rear NIM Connector)

- **Impedance**: 1.3KΩ
- **Voltage**: TTL signal
- **Switching**: By the rear surface switch, ON/OFF

### Output Specifications

- **Impedance**: 50Ω
- **Signal level**: NIM standard conformity
  - **Level 0**: 0mA (0V)
  - **Level 1**: 16mA (> 800mV)
- **Internal output adjustment width**: 10nSec~220nSec
- **The outside output adjustment width**: ±25%
- **Rise time**: Less than 2nSec
- **Fall time**: Less than 2nSec
- **Form**: NIM 1 width

### Power supply

- **+6V**: 50mA
- **-6V**: 2A
- **+12V**: 50mA
- **-12V**: 50mA

Approve it because specifications and so on that it is refused are sometimes changed.