NIM

6 ch Discriminator
Individual Adjustment type

N023

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

◎ Threshold is independently tunable for each channel.

◎ Output Width can be adjustmented 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.

The 4-channels type (N008) of the same specification is also manufactured.
< Specifications >

Input

- **Impedance**: a direct couple with 50Ω Lemo connectors
- **Threshold**: -20m V~ -240m V adjusts by the volume of the front panel. Independently tunable for each channel. A monitor pin is in each channel.
- **Minimum input width**: 2nSec (> 100m V)
- **Input protection**: more than +0.7V, against less than -6V. Protection by the diode
- **A maximum input rate**: 60MHz

VETO input (output In hibit 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

- **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 100mA
  - -6V 800mA

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

HOSHIN ELEC. CO., LTD.
3-9-12, Miyamaedaira, Miyamae-ku,
Kawasaki-City, 216-0006, Japan
TEL:+81-44-861-0202
FAX:+81-44-861-0121