NIM

16ch Discriminator

(N027)

◎ A comparator is used more than a high-speed
    character.

        (100MHz movement)

◎ Variability is made 【 the general adjustment
                    output width 】.

◎ As for the output width, internal adjustment is
        possible for the adjustment   individual all
        together from the outside.

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

< Specifications >

Input

Impedance	:	a direct couple with 50Ω Lemo connectors
Threshold	:	−20m V〜 −240m V
		adjusted by the volume of the front pannel
		for all channels.
		There is a monitor pin.

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 (> 800m V)
        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
                                   −12Ｖ        100mA

    Threshold setup type (NO27-1) is made in every channel, too.

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