

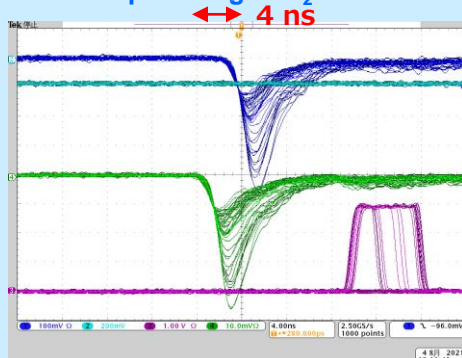
This is a fast amplifier discriminator. It supports both positive and negative pulses.
The signal from the detector is discriminated at a preset voltage level and a TTL pulse is output.



Discriminator Implemented

FAST AMP DISCRIMINATOR

Connection example using BaF₂ scintillation detector



Output signal
THRESHOLD
MONITOR

Input signal

DISCRI OUT

Specifications

Input impedance	50 Ω
Rise-time	< 1 ns
Output impedance	50 Ω
Input coupling	DC
Equivalent input noise	45 μV rms
Gain	x10
Frequency band	DC ~500 MHz
Discriminator output	5 V TTL *Output resistance: 22 Ω Polarity can be switched with SELECT DISCRI
Threshold monitor output	-2.4 V to 2.4 V *1 MΩ termination
Power supply	±12V、 ±110 mA (No load)
Input connector	LEMO 00.250 compatible
Output connector	LEMO 00.250 compatible
Power terminal	D-sub9pin connector (NIM standard)
Dimensions	52.2(W) × 20(H) × 75(D) mm *Excluding connectors, screws and rubber feet
Weight	Approx. 148 g *Without connection cable



Connection cable included

*Images is for illustration purpose.

*Please note that contents may change without prior notice.

Web-site



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