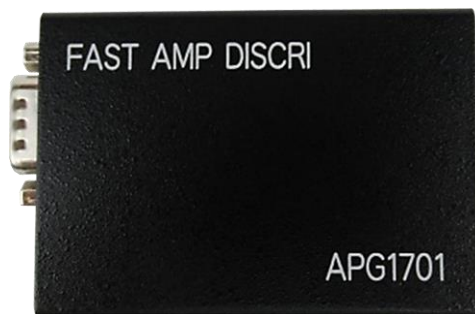


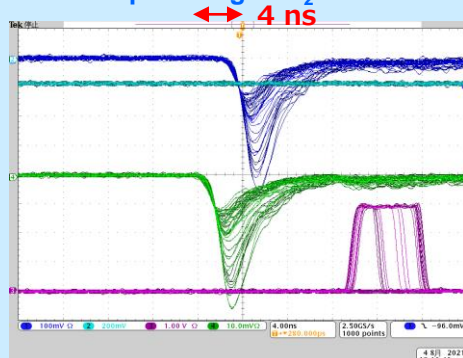
This is a fast amplifier discriminator. It supports both positive and negative pulses.  
The signal from the detector is discriminated at a preset voltage level and a TTL pulse is output.



**Discriminator Implemented**

**FAST AMP DISCRIMINATOR**

Connection example using BaF<sub>2</sub> 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



**CBL-DSUB9-DSUB9-3**  
Cable sold separately

\*Images is for illustration purpose.  
\*Please note that contents may change without prior notice.

