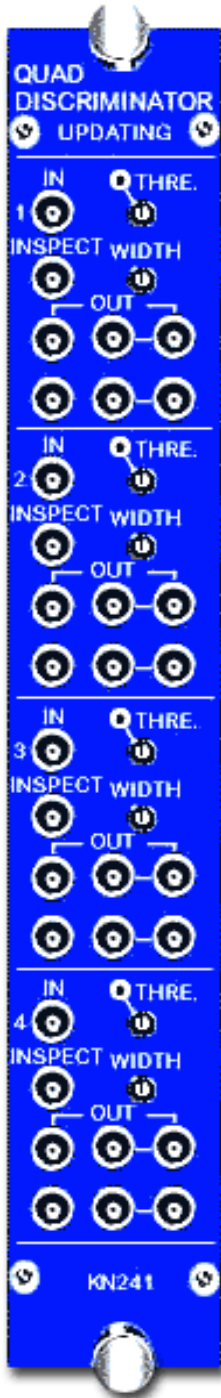


QUAD UPDATING DISCRIMINATOR



«ABSTRACT»

- ◆ This is a wave height discriminator module for the signal from scintillation counter etc.
- ◆ Input and output signal is based on NIM standard of AEC. (Atomic Energy Commission US)
- ◆ This module has 4 channels that each channel has 1 channel input and 6 channels outputs which can be controlled its pulse width and its threshold level.

«Specifications»

Input characteristics ;

- ◇ Impedance : $50\ \Omega$
- ◇ Threshold : $-40\text{mV} \sim -800\text{mV}$
- ◇ Pulse width : min. 2nS
- ◇ MAX frequency : 57MHz (-100mV / at pulse width 2nS)
- ◇ Input wave distortion : max. 5%
- ◇ VETO : When the level exceed $-450\text{mV} / 50\ \Omega$
All outputs are inhibited.

Output characteristics ;

- ◇ Impedance : $50\ \Omega$
- ◇ Voltage : -800mV
- ◇ Pulse width : $12\text{nS} \sim 250\text{nS}$ (variable continuously by half-fixed volume on front panel)
- ◇ Risetime : Approx. 1.2nS
- Falltime : Approx. 1.5nS

- ◆ Input and output connector : Standard LEMO connector

- ◆ Packaging : NIM standard single-width module.

- ◆ Consumption current : -6V : Approx. 1200mA
 -12V : Approx. 100mA
 $+12\text{V}$: Approx. 60mA



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